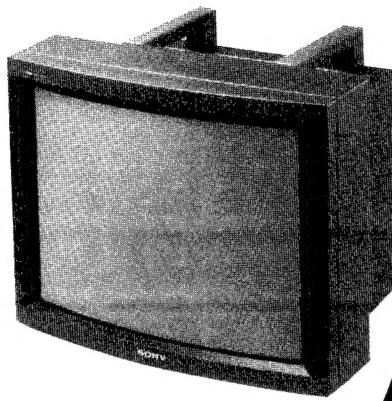


# KX-2910

## SERVICE MANUAL

*AEP Model*

*Chassis No. SCC-B14Y-A*



## AE-1 CHASSIS

MODELS OF THE SAME SERIES	
KX-2910	

### Specifications

Colour system	PAL, SECAM, NESC4.43 and NTSC3.58 systems	Output	: phono jack (2)
Picture tube	Trinitron tube		2 (loop-through output): 21-pin CENELEC standard
	Approx. 7.24 cm (29 inches)		: 2-pin DIN
	Approx. 68 cm (picture measured diagonally), 110-degree deflection		8 ohms (15W+15W) MUSIC POWER
Inputs	1: 21-pin connector, CENELEC standard	Power requirements	Headphone jack: stereo minijack
	2: 21-pin connector, CENELEC standard	Power consumption	240V, 50 Hz
	3: Video: BNC connectoe (1)	Dimensions	215W max.
	Audio: phone jack (2)	Weight	Approx. 666 × 532 × 526.5 mm (w/h/d)
	S: S video: 4-pin mini-DIN	Supplied accessories	52 kg
	Y: 1 Vp-p+3 dB, 75 ohms		Video connecting cord (BNC-BNC) (1)
	C: 0.3 Vp-p+3 dB, 75 ohms		Audio connecting cord
	Audio: phone jack (2)		(2 phono-2 phono) (1)
	: minijack		BNC-phono adaptor plug (1)

Design and specifications subject to change without notice.

TRINITRON®  
COLOR VIDEO MONITOR  
**SONY**®

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## WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED  
DURING ANY SERVICE TO AVOID POSSIBLE SHOCK  
HAZARD, BECAUSE OF LIVE CHASSIS.  
THE CHASSIS OF THIS RECEIVER IS DIRECTLY CON-  
NECTED TO THE AC POWER LINE.

## SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK  
⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED  
VIEWS AND IN THE PARTS LIST ARE CRITICAL TO  
SAFE OPERATION. REPLACE THESE COMPONENTS  
WITH SONY PARTS WHOSE PART NUMBERS APPEAR  
AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS  
PUBLISHED BY SONY.

## SECTION 1

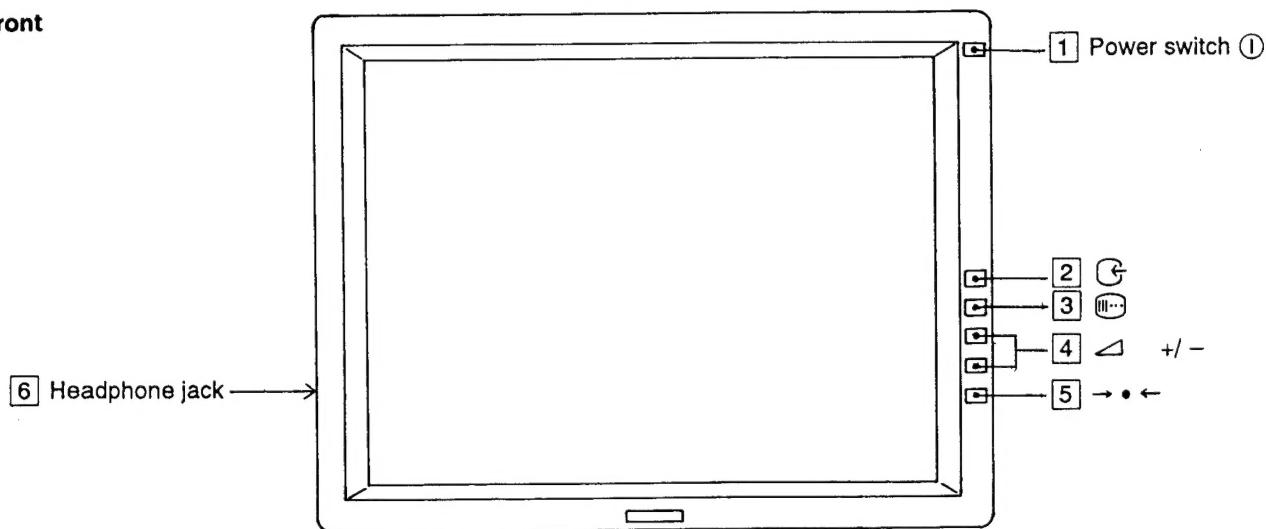
### GENERAL

#### 1-1. FEATURES

- New Microblack Trinitron picture tube for high resolution and high contrast picture
- S video input connector through which Y (luminance) and C (chrominance) signals can be input separately. This reduces interference between the two signals and ensures excellent picture quality.
- Four colour systems, PAL, SECAM, NTSC 4.43 and NTSC 3.58 can be received.
- 21-pin connectors allow direct hook-up to video equipment. One of them allows connection of a microcomputer with analog RGB output.
- BNC-type video input connector allows connection of video equipment with BNC-type video connector.

#### 1-2. LOCATION AND FUNCTION OF PARTS AND CONTROLS

Front



**1 Power switch**

Press to turn on the monitor. Press again to turn it off.

**2 (Input mode select) button**

Press to select the input source to be monitored. Each press changes the input mode indication displayed at the top of the screen as follows:

Ⓐ 1 (AV1) → Ⓑ (RGB) → Ⓒ 2 (AV2) → Ⓓ (Y/C) → Ⓔ 3 (AV3)

Ⓐ 1: Video signal fed through Ⓑ 1 (21-pin connector) will be monitored.  
 Ⓑ: RGB signal fed through Ⓑ 1 (21-pin connector) will be monitored.  
 Ⓒ 2: Video signal fed through Ⓑ 2 (21-pin connector) will be monitored.  
 Ⓓ: S video signal fed through Ⓓ (4-pin mini-DIN connector) will be monitored.  
 Ⓔ 3: Video signal fed through Ⓔ 3 (BNC connector) will be monitored on the screen.

**3 (picture and sound adjustment select) button\***

Press repeatedly until the picture or sound adjustment item to be adjusted appears on the screen.

Each press changes the item in the following order:

Ⓐ (volume), Ⓑ (picture contrast),  
 Ⓒ (colour intensity), Ⓓ (hue),  
 Ⓔ (brightness), Ⓕ (sharpness), Ⓖ (bass),  
 Ⓗ (treble), Ⓘ (balance)

The item will disappear unless the button is pressed for about 3 seconds in selecting mode.

**This button is also used to select the NTSC 3.58 colour system manually.**

The unit automatically selects the available colour system, but if the colour does not appear correctly while watching NTSC 3.58 video input pictures, select this system manually.

**1** Keep Ⓕ pressed for about 3 seconds. The present input mode and colour system "AUTO" appear on the screen.

**2** Press Ⓕ while the indications are displayed. The colour system indication will change to NTSC 3.58.

- The last selected input mode will be memorized after the unit is turned off.

4  (picture and sound adjustment level) +/ - buttons

Press to adjust the selected item while the item is displayed on the screen. The segmented bar display shows the adjustment level.

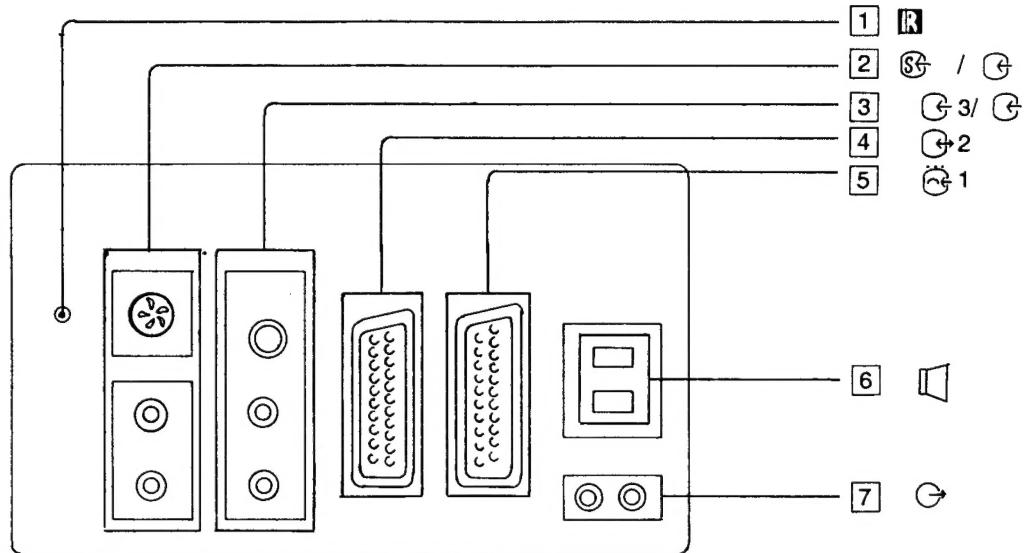
#### Adjustments

-  : Press + for higher volume and - for lower volume.  
The volume level can be adjusted only by pressing +/ - without selecting this item while other adjustment item is not displayed on the screen.
-  : Press + for more colour intensity and - for less colour intensity.
-  : Press + for more picture contrast and - for less picture contrast.
-   : Press + to make skin tones more purplish and - to make them more greenish.  
This adjustment functions only for NTSC 4.43 and NTSC 3.58 colour systems.
-  : Press + to make picture brighter and - to make it darker.
-  : Press + to make picture sharper and - to make it softer.  
The sharpness adjustment does not function for RGB input pictures.
-  : Press + to increase bass response and - to decrease it.
-  : Press + to increase treble response and - to decrease it.
-   : Press + to emphasize the right speaker's volume and - to emphasize the left speaker's volume.

5  (reset) button

Press to reset all picture and sound adjustments to the factory-set levels.

Rear



**1** (control S Input) connector(miniJack)

Connect to the control S output of video equipment. The monitor can be remotely controlled through the connected equipment.

**2** (S video Input) connector (4-pin mini-DIN)

L/G/S, R/D/D (audio input) jacks (phono jack)  
Connect to the S video/audio outputs of video equipment with the S video output connector.

**3** 3 (Video Input) connector (BNC type)

L/G/S, R/D/D (audio input) jacks (phono jack)  
Connect to the video/audio outputs of video equipment with the BNC-type video connector.

**4** 2 (AV Input/output) connector (21-pin CENELEC standard)

Connect to the 21-pin multiconnector of video equipment.  
For a loop-through connection, connect to the 1 connector of another monitor.  
This connector cannot be used to connect a microcomputer.

**5** 1 (AV/RGB Input) connector

(21-pin CENELEC standard)  
Connect to the 21-pin multiconnector of video equipment or to the analog RGB multioutput of a microcomputer.

**6** L/G/S, R/D/D (speaker L/R) terminals

Connect to the optional external speakers with 8 ohm or less impedance.

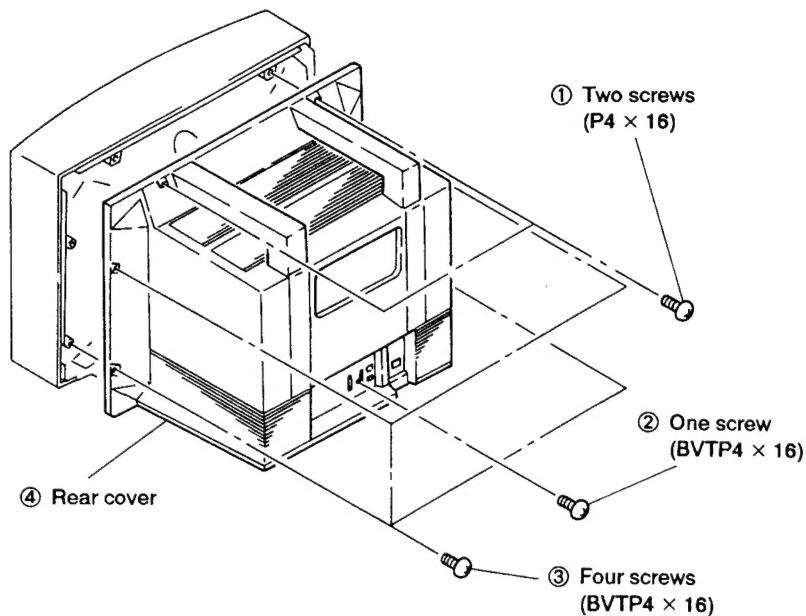
**7** L/G/S, R/D/D (audio output) jacks (phono jack)

Connect to the line input jacks of an audio system to monitor the sound through the audio system. The volume is adjusted with on this monitor.

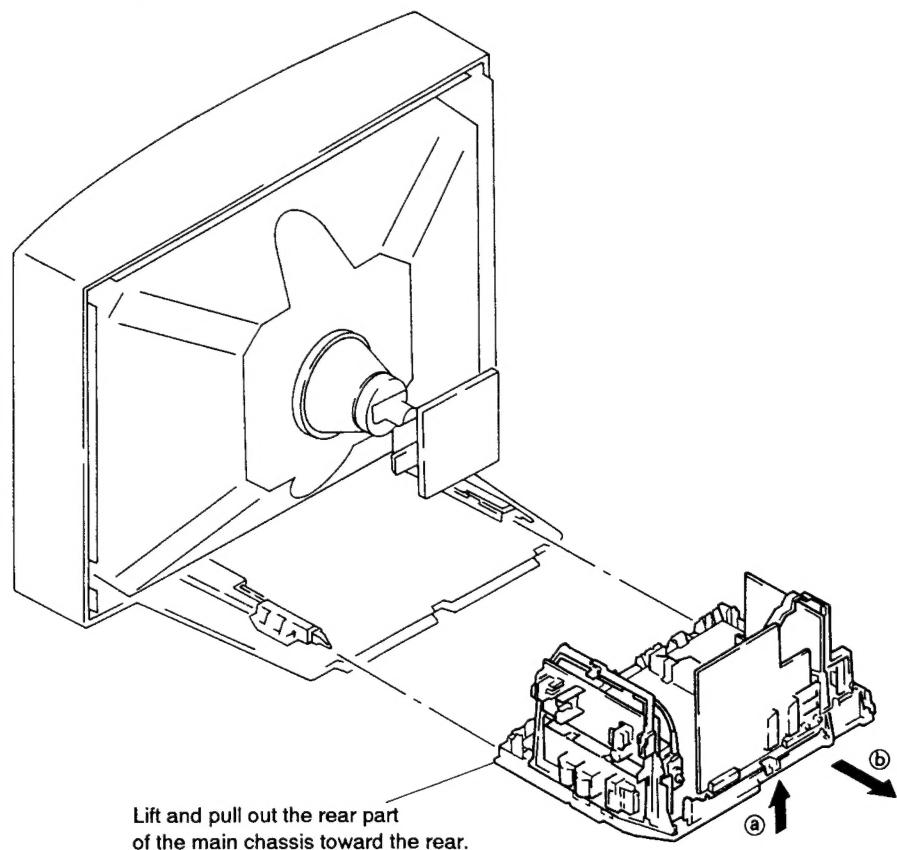
## SECTION 2

### DISASSEMBLY

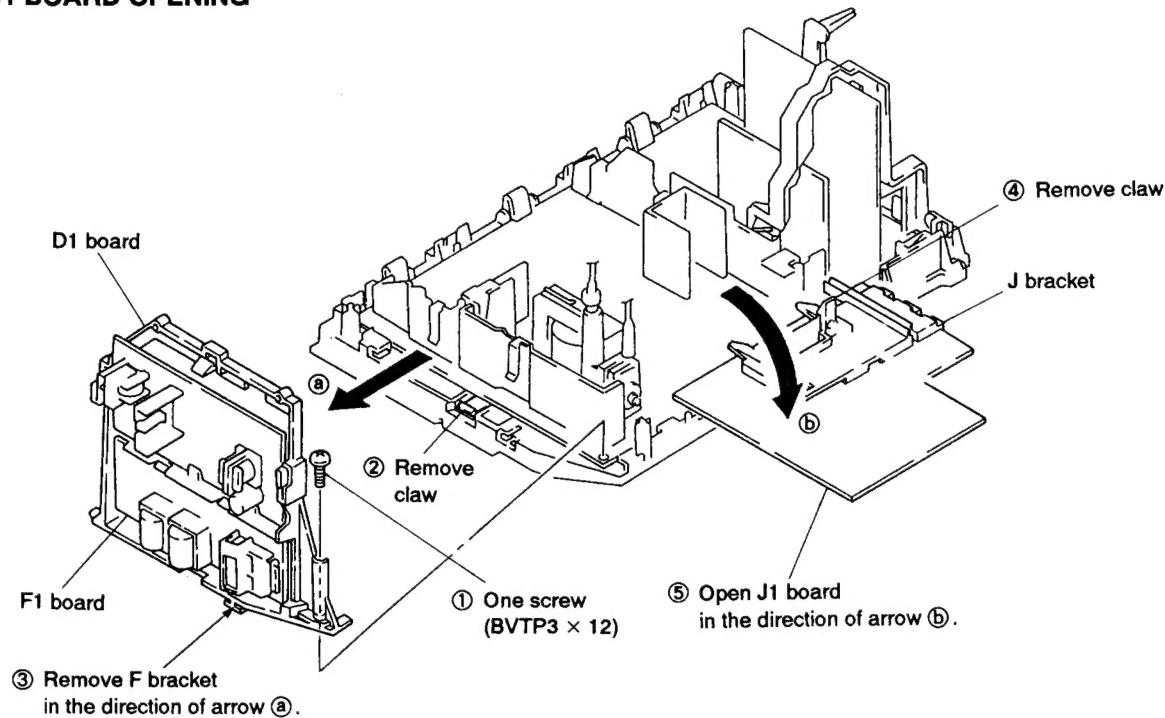
#### 2-1. REAR COVER REMOVAL



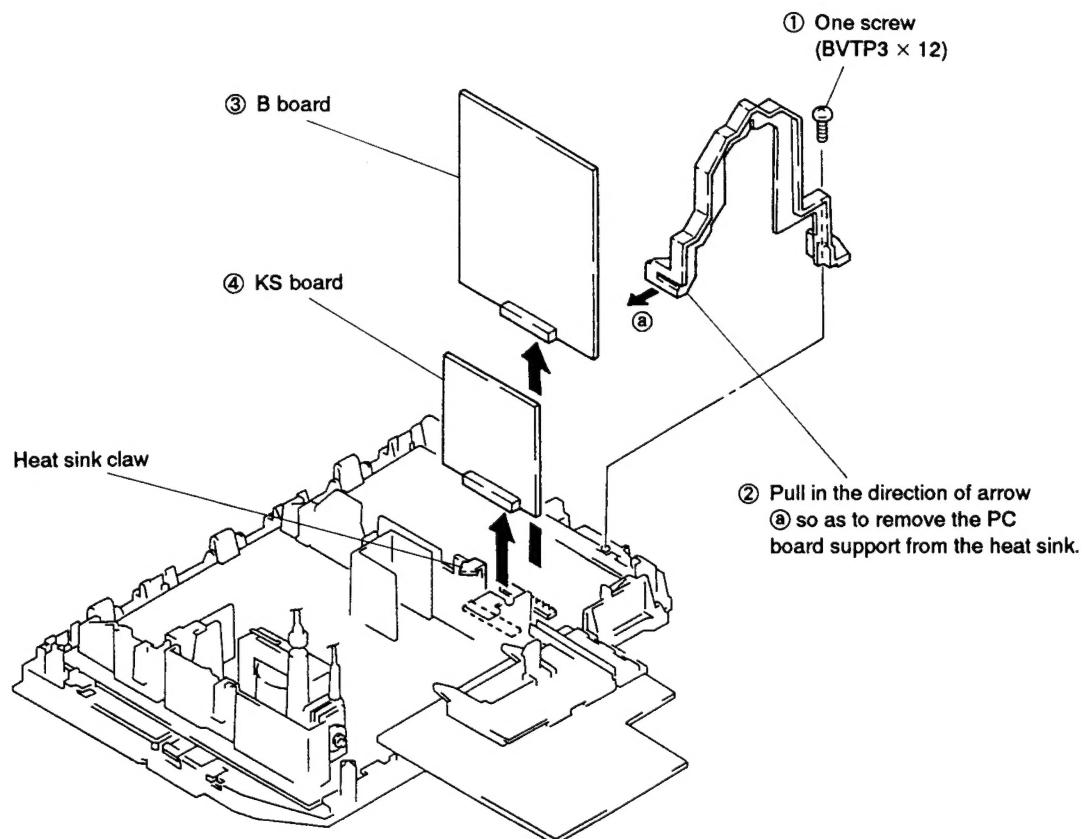
#### 2-2. CHASSIS ASSY REMOVAL



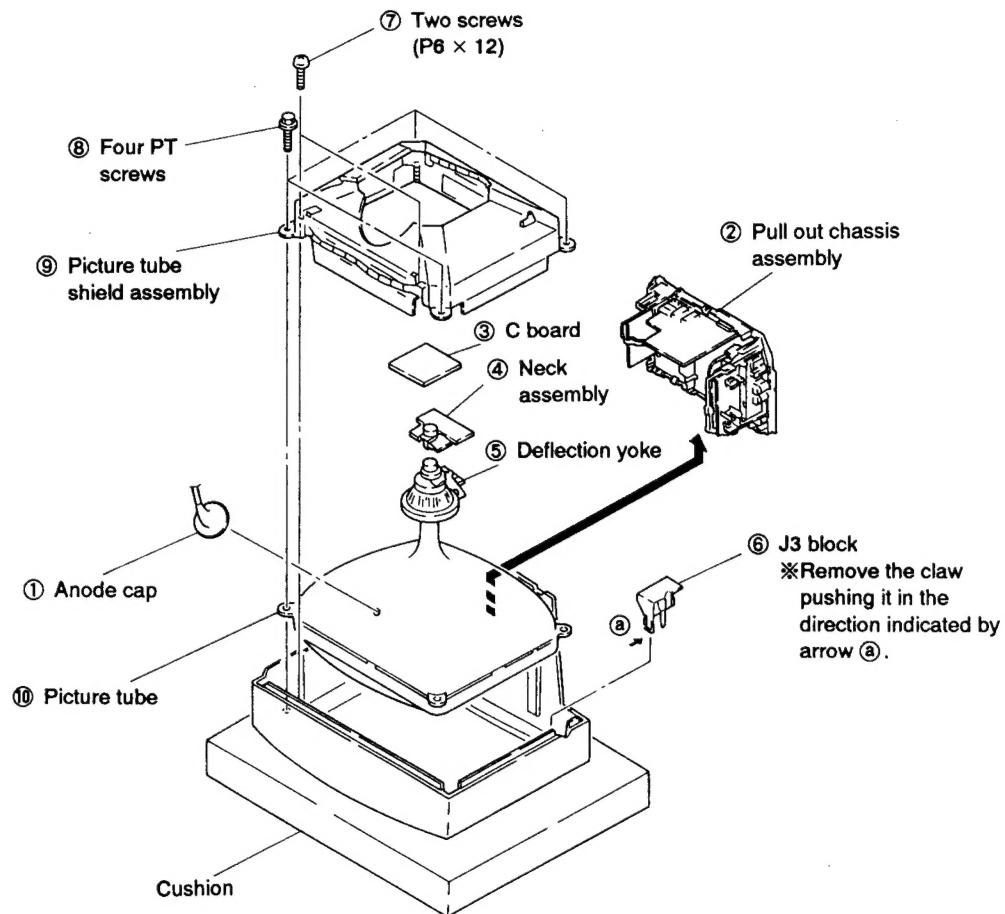
### 2-3. D1, F1 BOARDS REMOVAL AND J1 BOARD OPENING



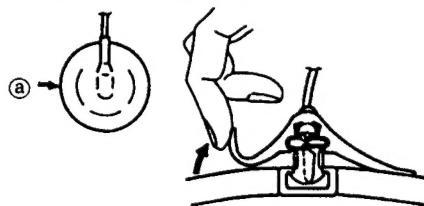
### 2-4. B, KS BOARDS REMOVAL



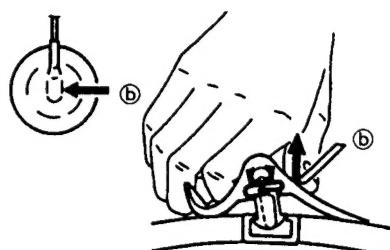
## 2-5. PICTURE TUBE REMOVAL



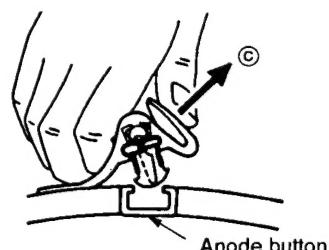
- REMOVAL OF ANODE-CAP
- REMOVING PROCEDURES



① Turn up one side of the rubber cap in the direction indicated by the arrow ②.



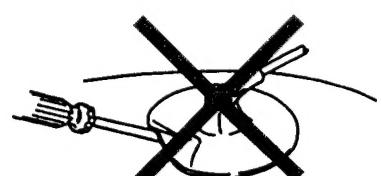
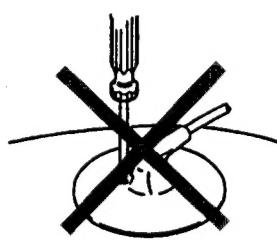
② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ⑤.

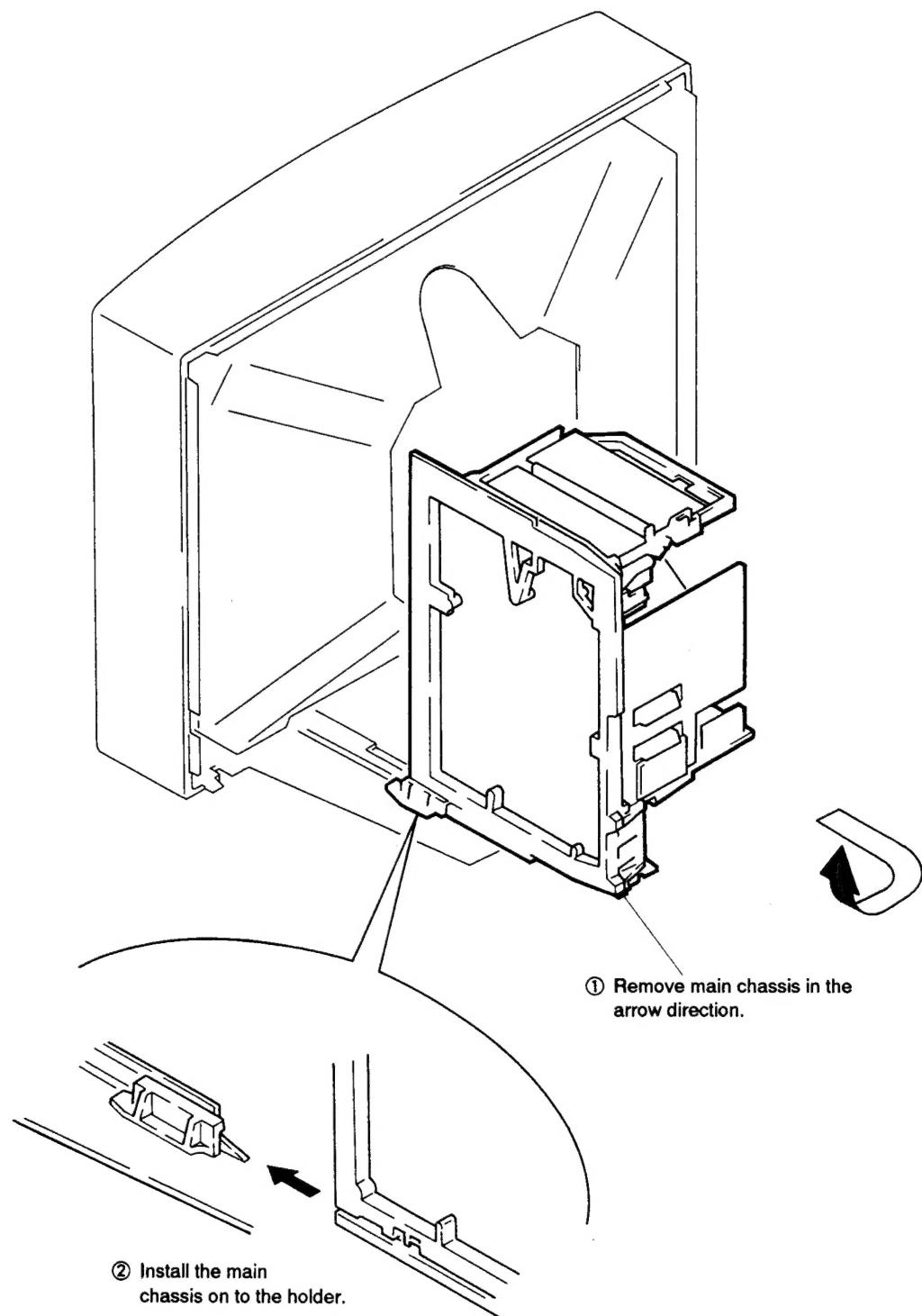


③ When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow ⑥.

- HOW TO HANDLE AN ANODE-CAP

- ① Don't hurt the surface of anode-caps with sharp shaped material !
- ② Don't press the rubber hardly not to hurt inside of anode-caps !  
A metal fitting called as shatter-hook terminal is built in the rubber.
- ③ Don't turn the foot of rubber over hardly !  
The shatter-hook terminal will stick out or hurt the rubber.



**2-6. SERVICE POSITION**

## SECTION 3

### SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

The control and switch below should be set as follows unless otherwise noted :

CONTRAST control ..... 80% (or Normal by Commander)  
 BRIGHTNESS control ..... 50%

Perform the adjustments in order as follows :

1. Beam Landing
2. Convergence
3. Focus
4. White Balance

**Note :** Test Equipment Required.

1. Color Bar Pattern Generator
2. Degausser
3. DC Power Supply
4. Digital multimeter
5. Oscilloscope

#### Preparation

- Set the side of the unit with the PICTURE TUBE so that it faces east or west in order to reduce the influence of external magnetic force.
- Turn the power switch for the unit ON and erase the magnetic force using a degausser.

#### 3-1. BEAM LANDING

1. Position neck ass'y as shown in Fig. 3-1
2. Input a raster signal with the pattern generator.  
 CONTRAST ..... normal  
 BRIGHTNESS ..... normal
3. Turn the raster signal of the pattern generator to red.
4. Move the deflection yoke backward, and adjust with the purity control so that red is in the center and blue and green are at the sides, evenly. (Fig. 3-2 to 3-4)
5. Move the deflection yoke forward, and adjust so that the entire screen becomes red. (Fig. 3-2)
6. Switch over the raster signal to blue and green and confirm the condition.
7. When the position of the deflection yoke is determined, tighten it with a deflection yoke mounting screw.
8. When landing at the corners is not right, adjust by using the magnet. (Fig. 3-5)

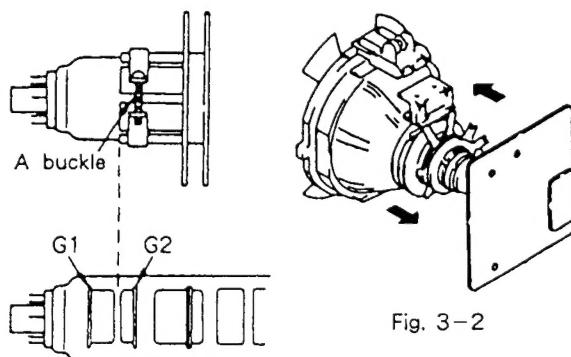


Fig. 3-1

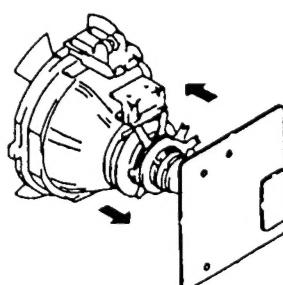


Fig. 3-2

Fig. 3-3

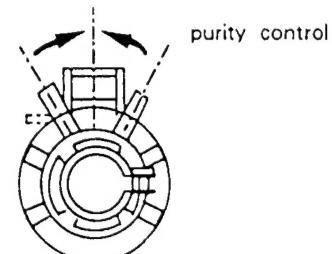


Fig. 3-4

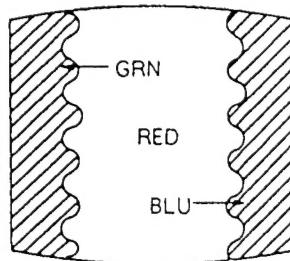
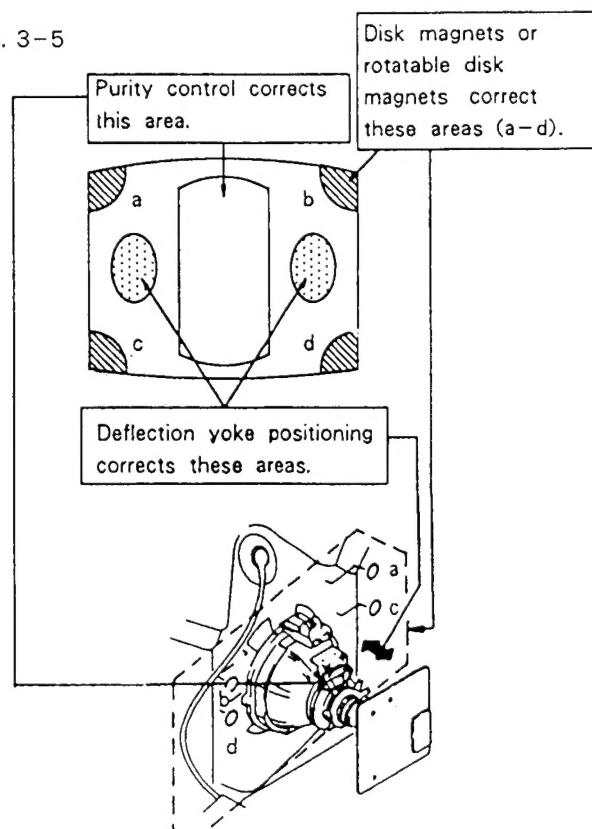


Fig. 3-5

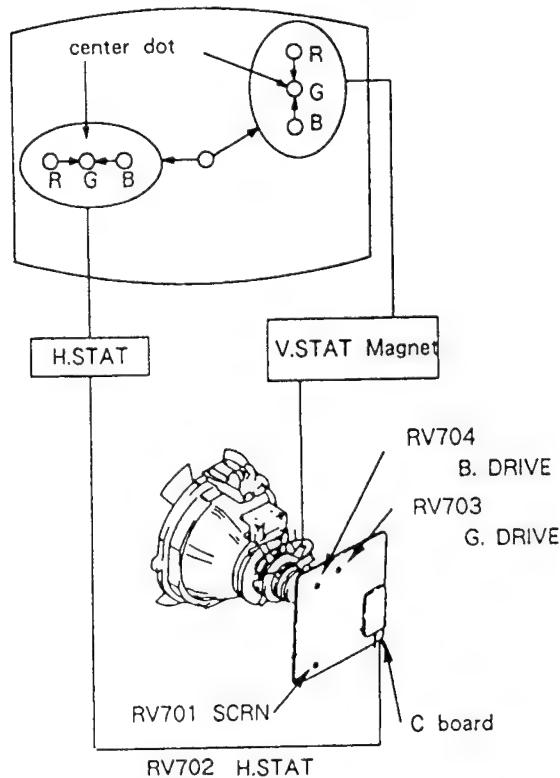


### 3-2. CONVERGENCE

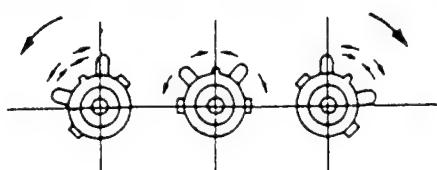
#### Preparation :

- Before starting, perform FOCUS, H. SIZE and V. SIZE adjustments.
- Set BRIGHTNESS control to minimum.
- Feed in the dot pattern.

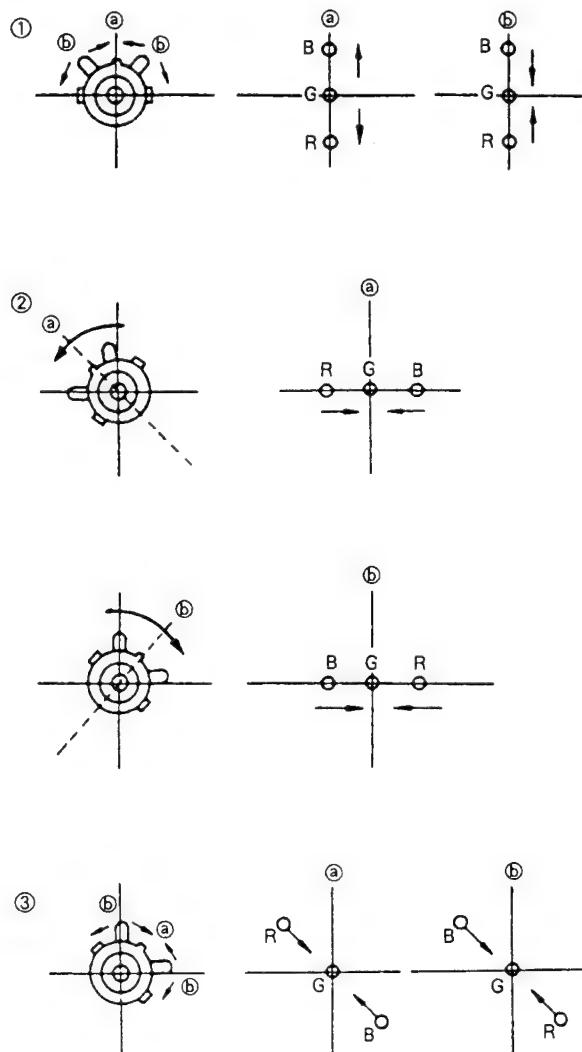
#### (1) Horizontal and Vertical Static Convergence



1. Adjust H. STAT VR to coincide red, green and blue dots on the center of screen. (Horizontal movement)
2. Adjust V. STAT magnet to coincide red, green and blue dots on the center of screen. (Vertical movement)
3. If the red, green and blue dots do not coincide on the center of screen with H. STAT VR, perform horizontal convergence adjustment using H. STAT VR and V. STAT magnet as shown below. (In this case, H. STAT VR and V. STAT magnet effect each other.)
- Tilt the V. STAT magnet and adjust static convergence to open or close the V. STAT magnet.



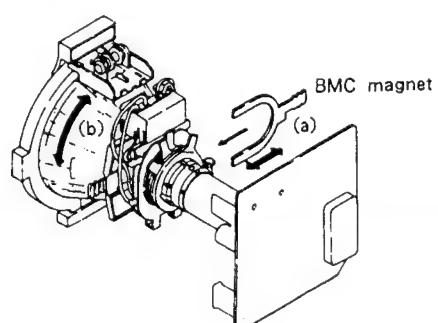
4. When the V. STAT magnet is moved in the direction of arrow (a) and (b), red, green and blue dots move as shown below.



If the red and blue dots do not coincide with green dot, perform following steps.

Move BMC magnet (a) to correct insufficient H. static convergence.  
Rotate BMC magnet (b) to correct insufficient V. static convergence.

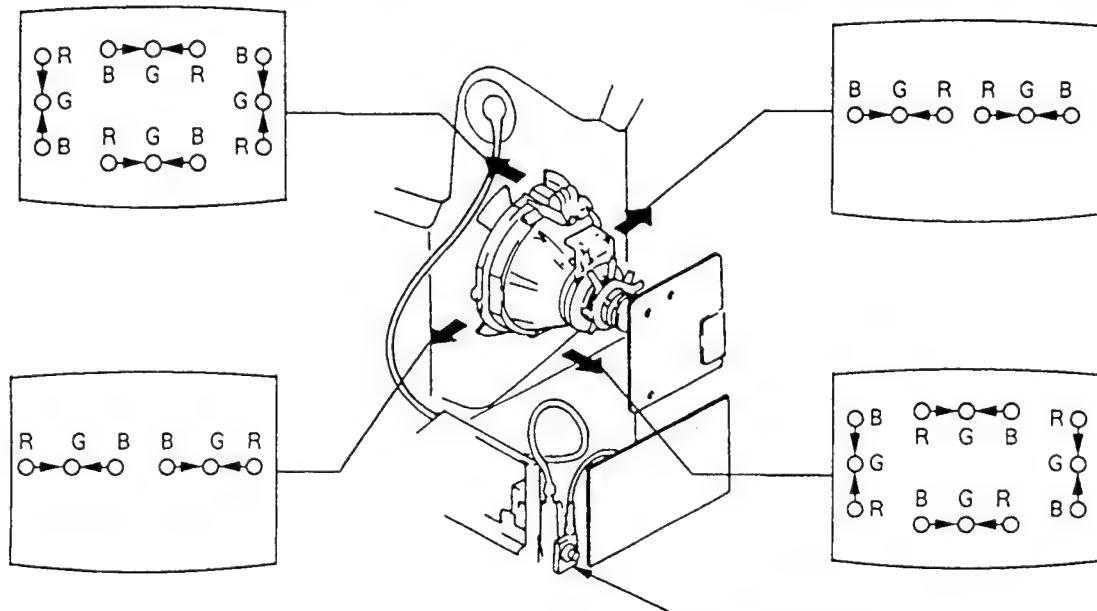
In either case, repeat Beam Landing Adjustment.



## (2) Dynamic Convergence Adjustment

## Preparation :

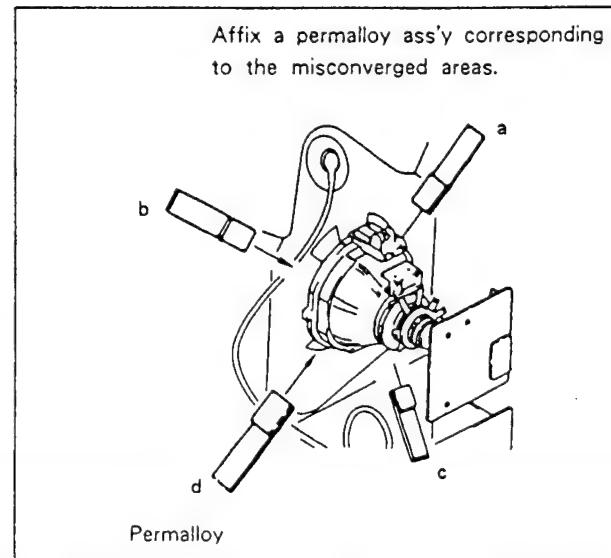
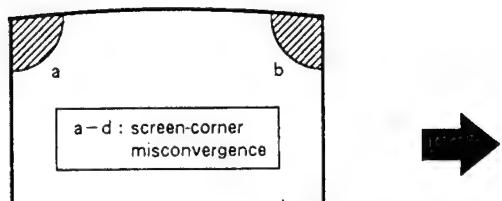
- Before starting, perform Horizontal and Vertical Static Convergence Adjustment.
- 1. Slightly loosen deflection yoke screw.
- 2. Remove deflection yoke spacers.
- 3. Move the deflection yoke for best convergence as shown below.
- 4. Tighten the deflection yoke screw.
- 5. Install the deflection yoke spacers.



## 3-3. FOCUS

Adjust FOCUS so that the whole screen is in best focus.

## (3) Screen-corner Convergence



### 3-4. WHITE BALANCE

#### (Screen (G2) Setting)

1. Input dot signals from the pattern generator.
2. Set the picture BRIGHTNESS control to the minimum level.
3. Apply 170 V dc to the cathodes of R, G, and B from an external power source.
4. While watching the picture, adjust the G2 volume (RV701) immediately before the fly-back line disappears.

#### (White Balance Adjustment)

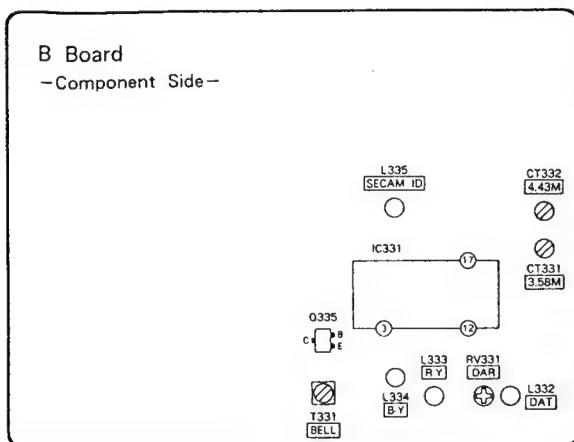
1. Input all-white signals from the pattern generator.
2. Adjust the BRIGHTNESS and COLOR controls to the standard level.
3. Adjust the white balance using RV704 (B DRIVE) and RV703 (G DRIVE).

In the following adjustments, the CONTRAST COLOR and BRIGHTNESS controls are set to normal unless otherwise specified.

## SECTION 4

### CIRCUIT ADJUSTMENTS

#### 4-1. B BOARD ADJUSTMENTS



##### REF OSC 3.58 MHz Adjustment (CT331)

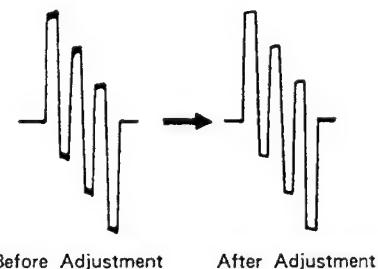
1. Input a NTSC 3.58 MHz COLOR BAR pattern.
2. Short circuit between pin ⑪ of IC331 and ground.
3. Adjust CT331 to obtain color synchronization.
4. Remove the jumper wire from IC331.

##### REF OSC 4.43 MHz Adjustment (CT332)

1. Input a NTSC 4.43 MHz COLOR BAR pattern.
2. Short circuit between pin ⑪ of IC331 and ground.
3. Adjust CT332 to obtain color synchronization.
4. Remove the jumper wire from IC331.

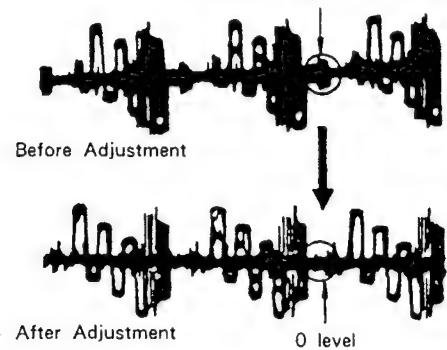
##### 1H DELAY LINE Adjustment (L332, RV331)

1. Input a PAL COLOR BAR pattern.
2. Connect the oscilloscope to pin ③ (B-Y) of IC331 and observe the waveform of the H block on the oscilloscope.
3. Adjust L332 to minimize the double waveform outline.



4. Input a TEST COLOR BAR pattern.
5. Rotate the RV331 control and adjust till the ANTI-PAL of the waveform matches the 0 level.

This part matches the 0 level.



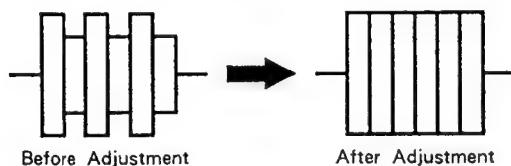
6. L332 and RV331 affect each other. Repeat till the conditions of both meet.

##### SECAM ID Adjustment (L335)

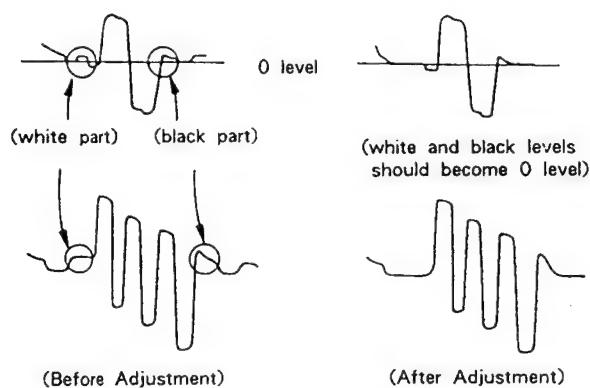
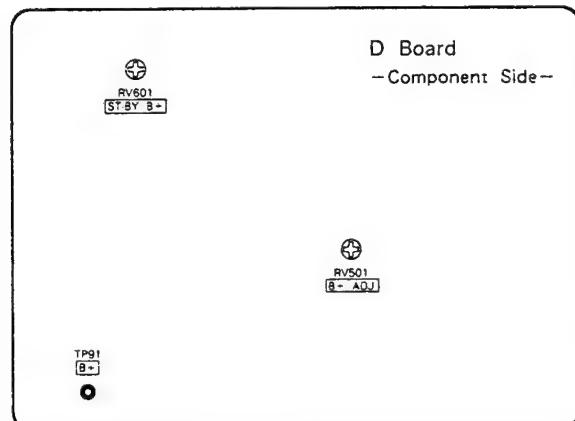
1. Input a SECAM COLOR BAR pattern.
2. Connect a Digital Multimeter to pin ⑪ of IC331.
3. Adjust L335 so that the indicator goes up to the maximum.

**BELL FILTER Adjustment (T331)**

1. Input a SECAM COLOR BAR pattern.
2. Connect an oscilloscope to the Q335 emitter.
3. Adjust T331 so that the waveform becomes flat.

**SECAM DISCRI Adjustment (L333, L334)**

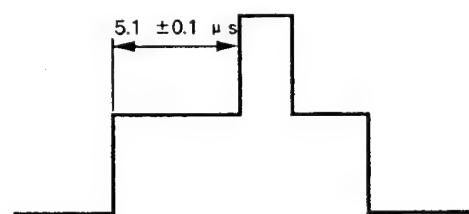
1. Input a SECAM COLOR BAR pattern.
2. Connect an oscilloscope to pin ① of IC331.
3. Adjust L333 so that white and black parts of the waveform of pin ① become 0 level.
4. Connect an oscilloscope to pin ③ of IC331.
5. Adjust L334 so that white and black parts of the waveform of pin ③ become 0 level.

**4-2. D BOARD ADJUSTMENTS****B+ Adjustment (RV501)**

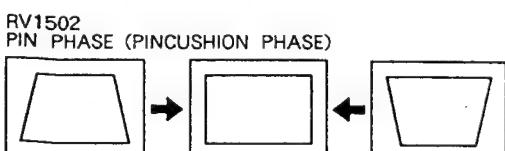
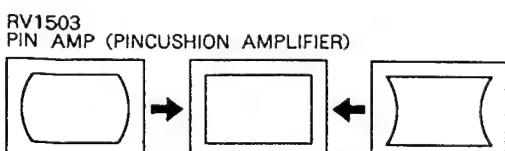
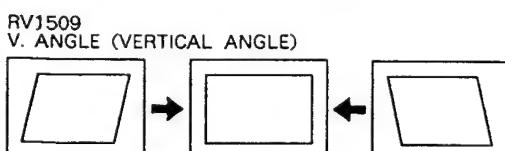
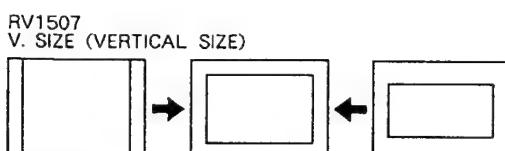
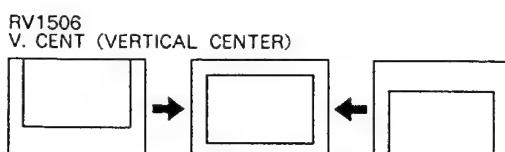
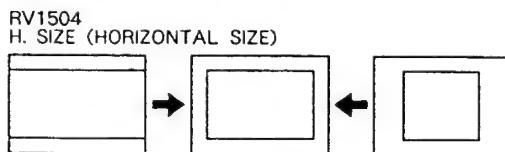
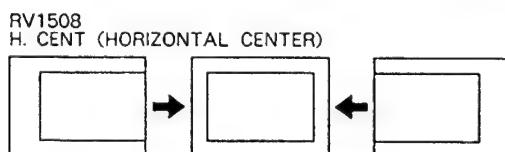
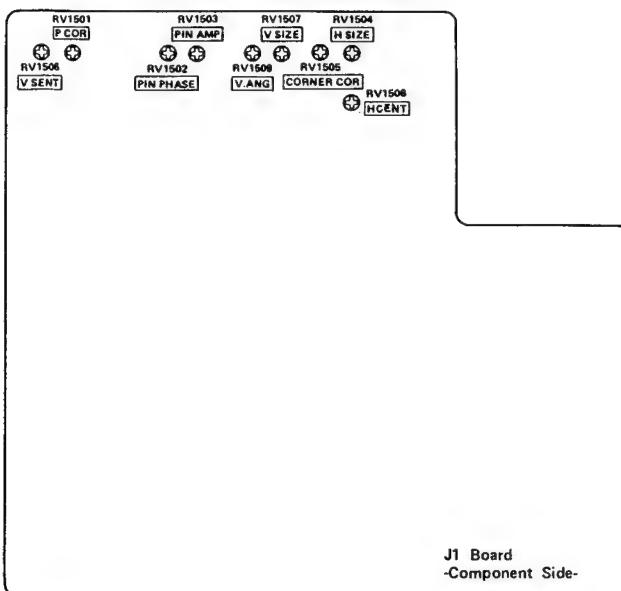
1. Connect a Digital Multimeter to TP91.
2. Adjust RV501 so that the voltage becomes  $135 \pm 0.2$  V.

**H. PHASE Adjustment (RV502)**

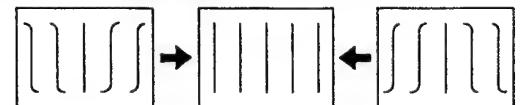
1. Input a PAL TEST COLOR BAR pattern.
2. Set the CONTRAST and BRIGHTNESS controls to the standard positions.
3. Set RV1508 (H. CENT) to the mechanical center position.
4. Connect an oscilloscope to pin ⑪ (SPC OUT) of IC501.
5. Rotate RV502 and adjust Block T to  $5.1 \pm 0.1 \mu s$ .



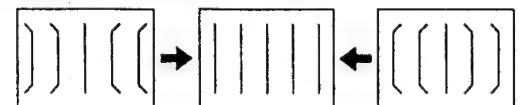
## 4-3. J1 BOARD ADJUSTMENTS



RV1501  
PIN COR (PIN CUSHION CORRECT)

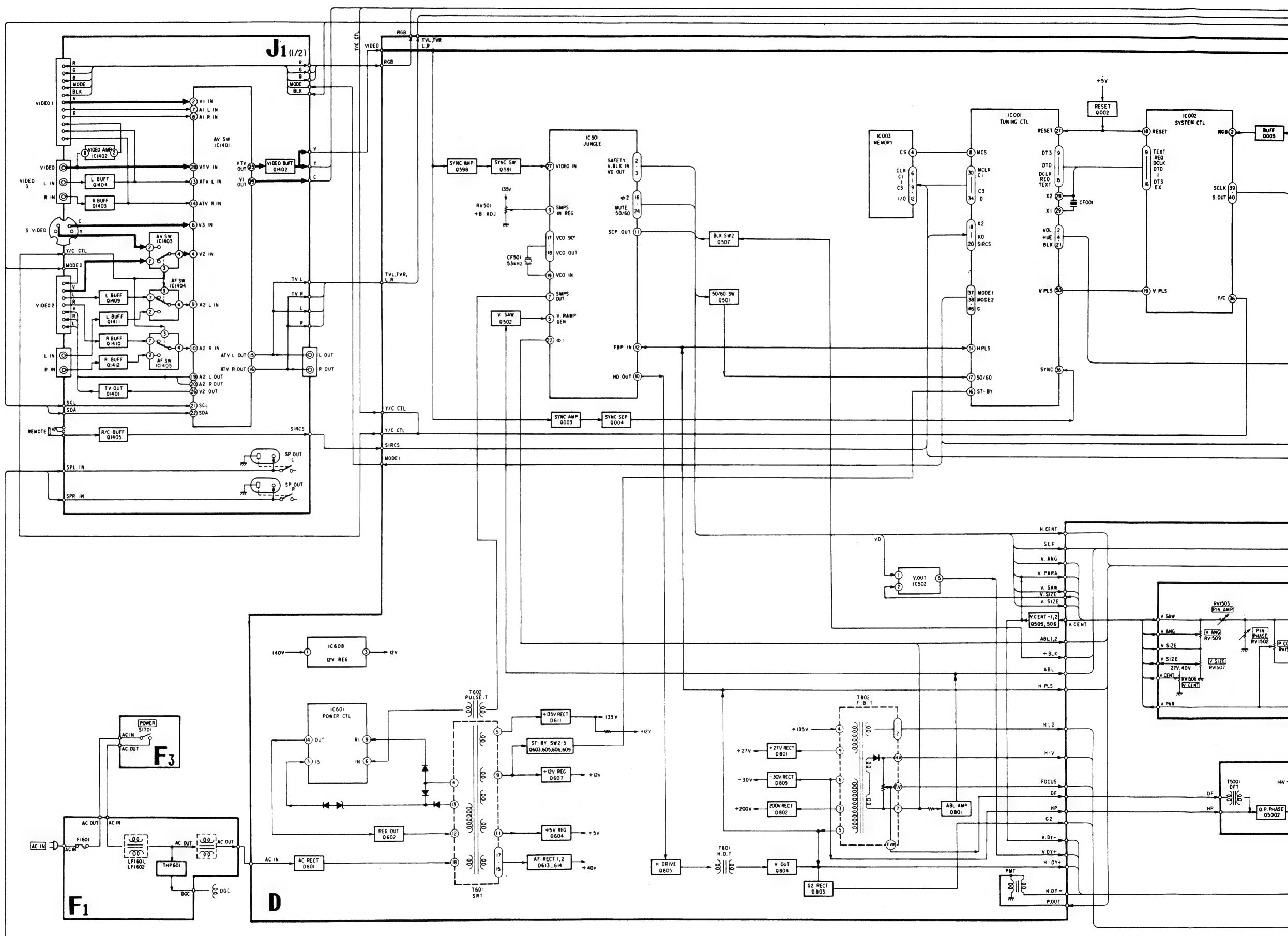


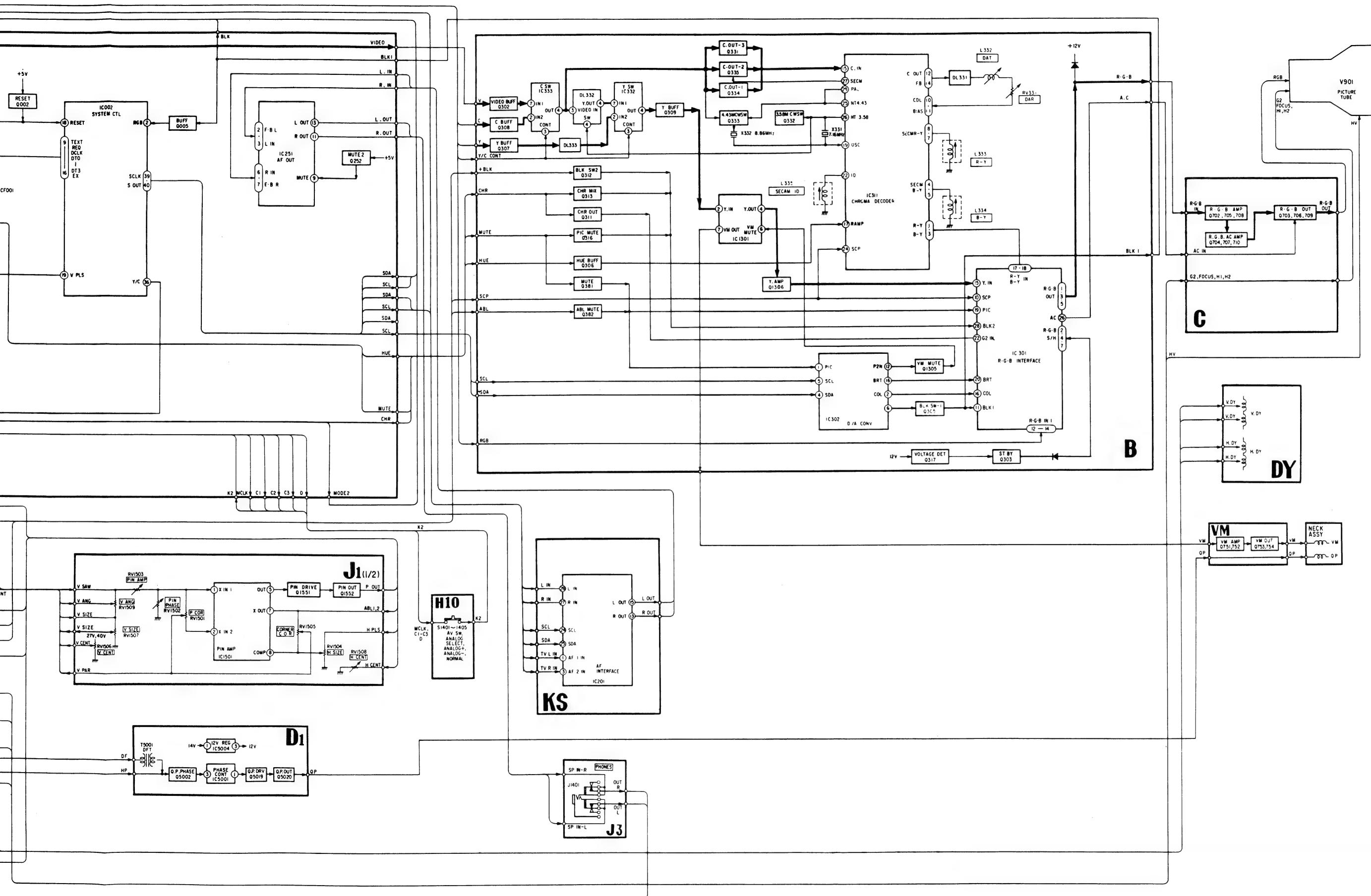
RV1505  
CORNER COR (CORNER CORRECT)



## SECTION 5 DIAGRAMS

### 5-1. BLOCK DIAGRAM





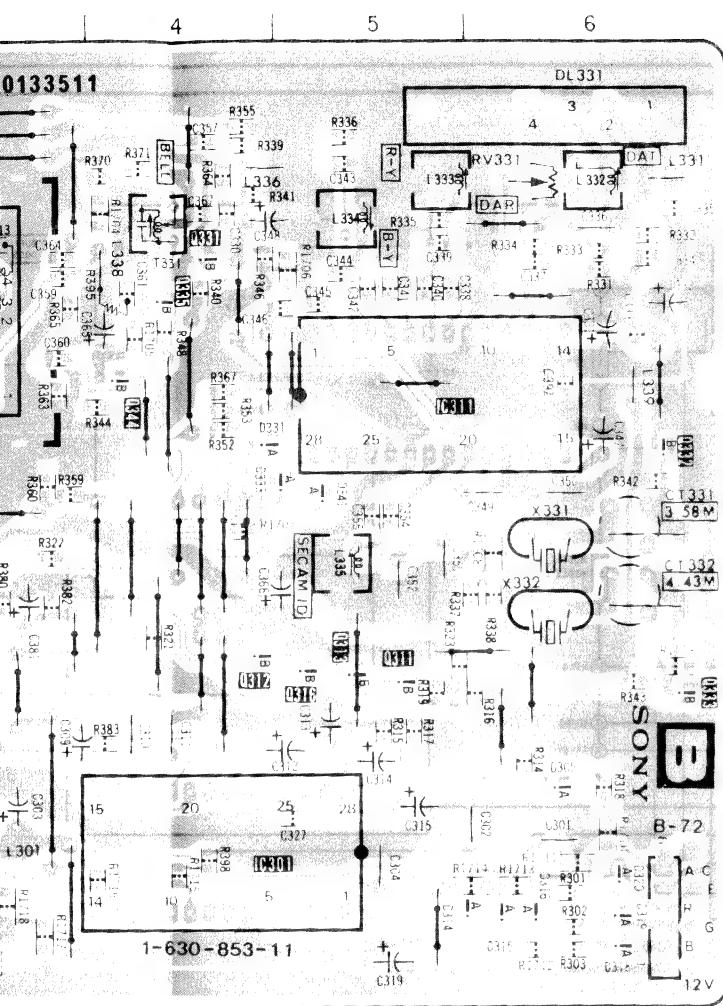


CUSTOMER CONTROL)

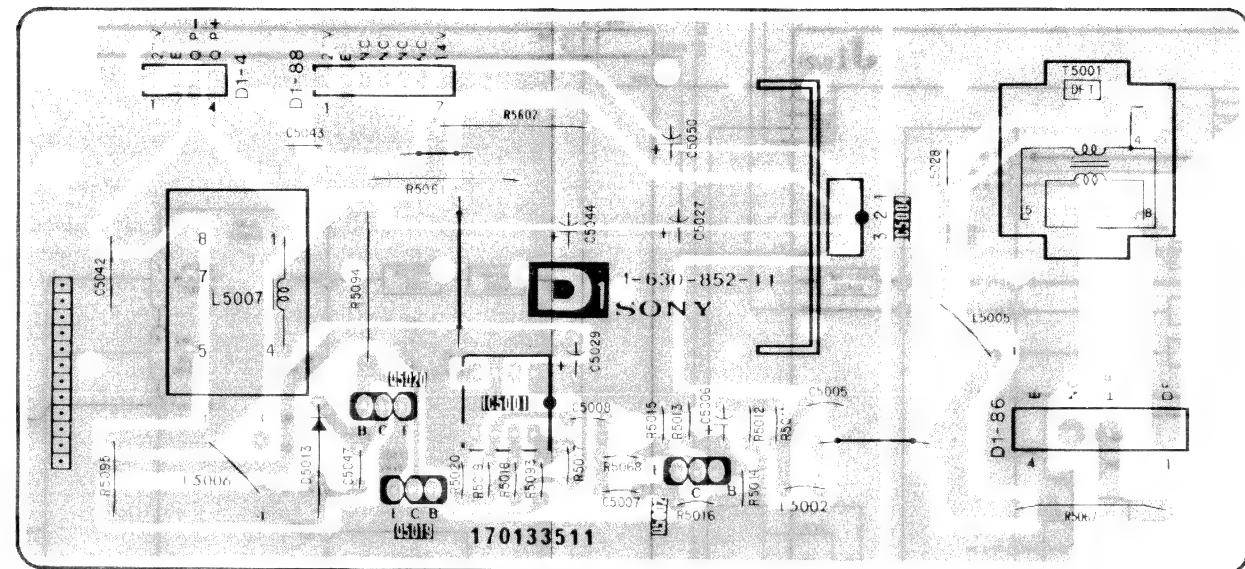
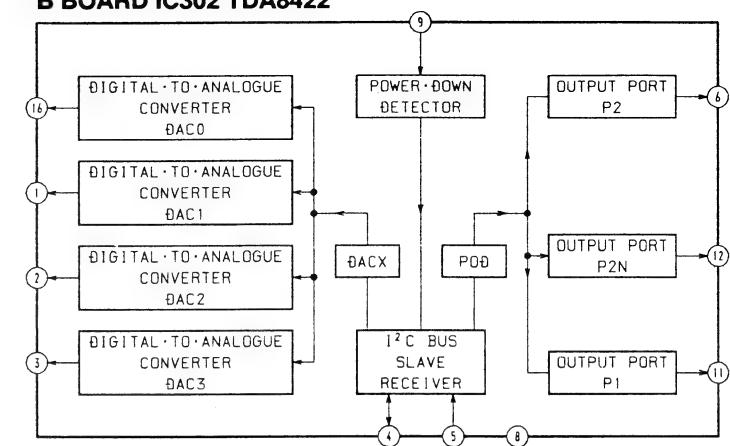
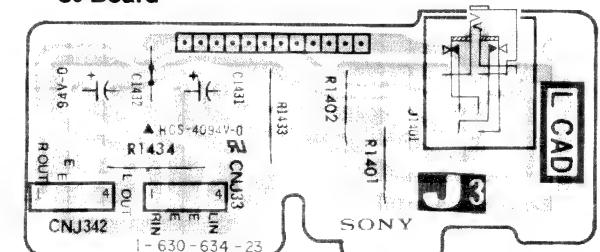
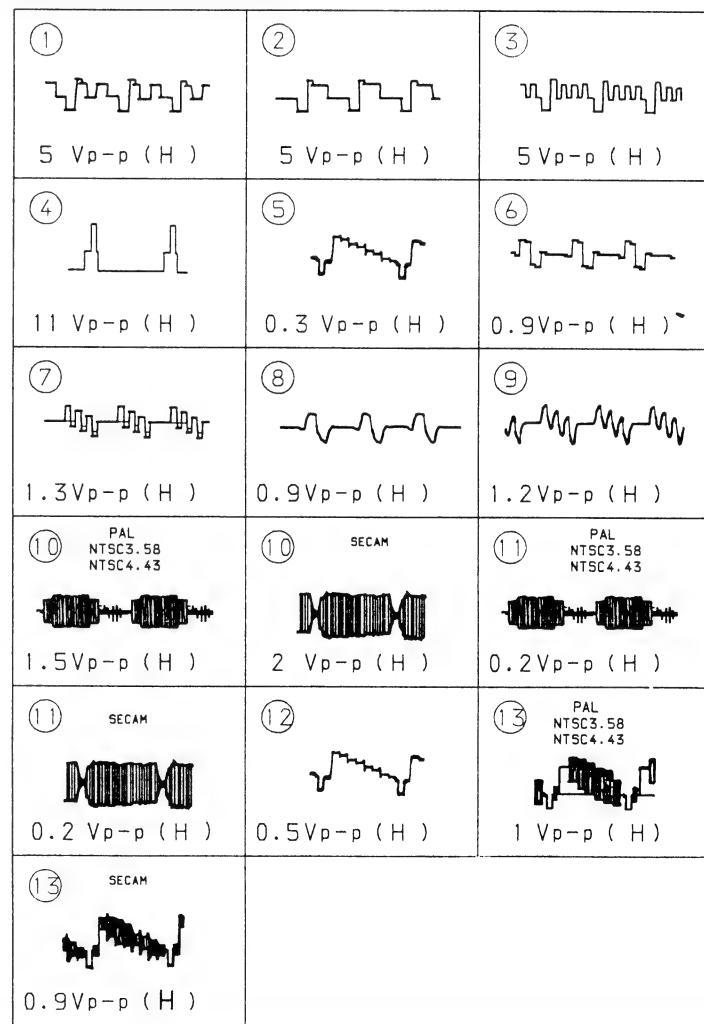
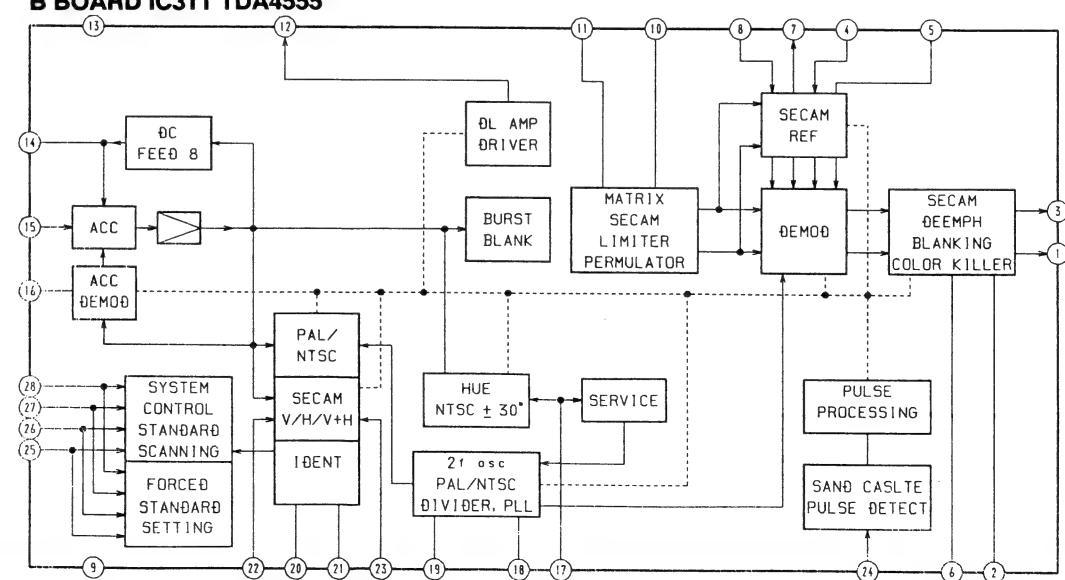
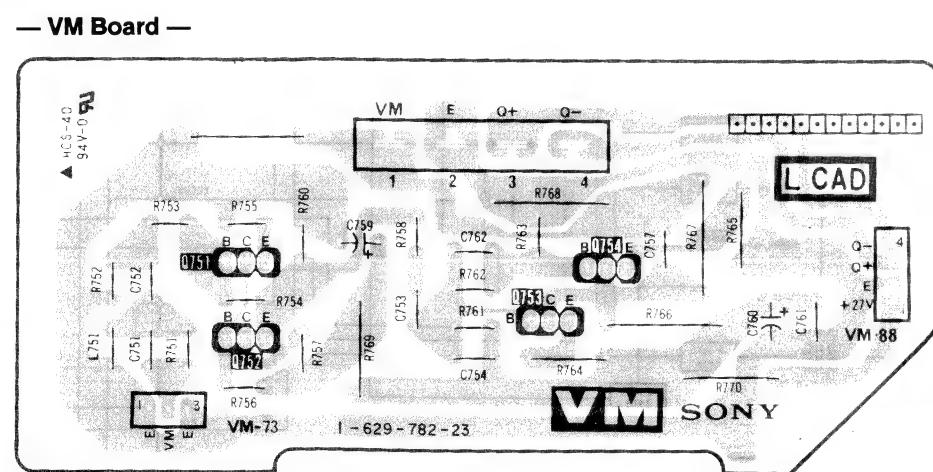
VM (VM AMP)

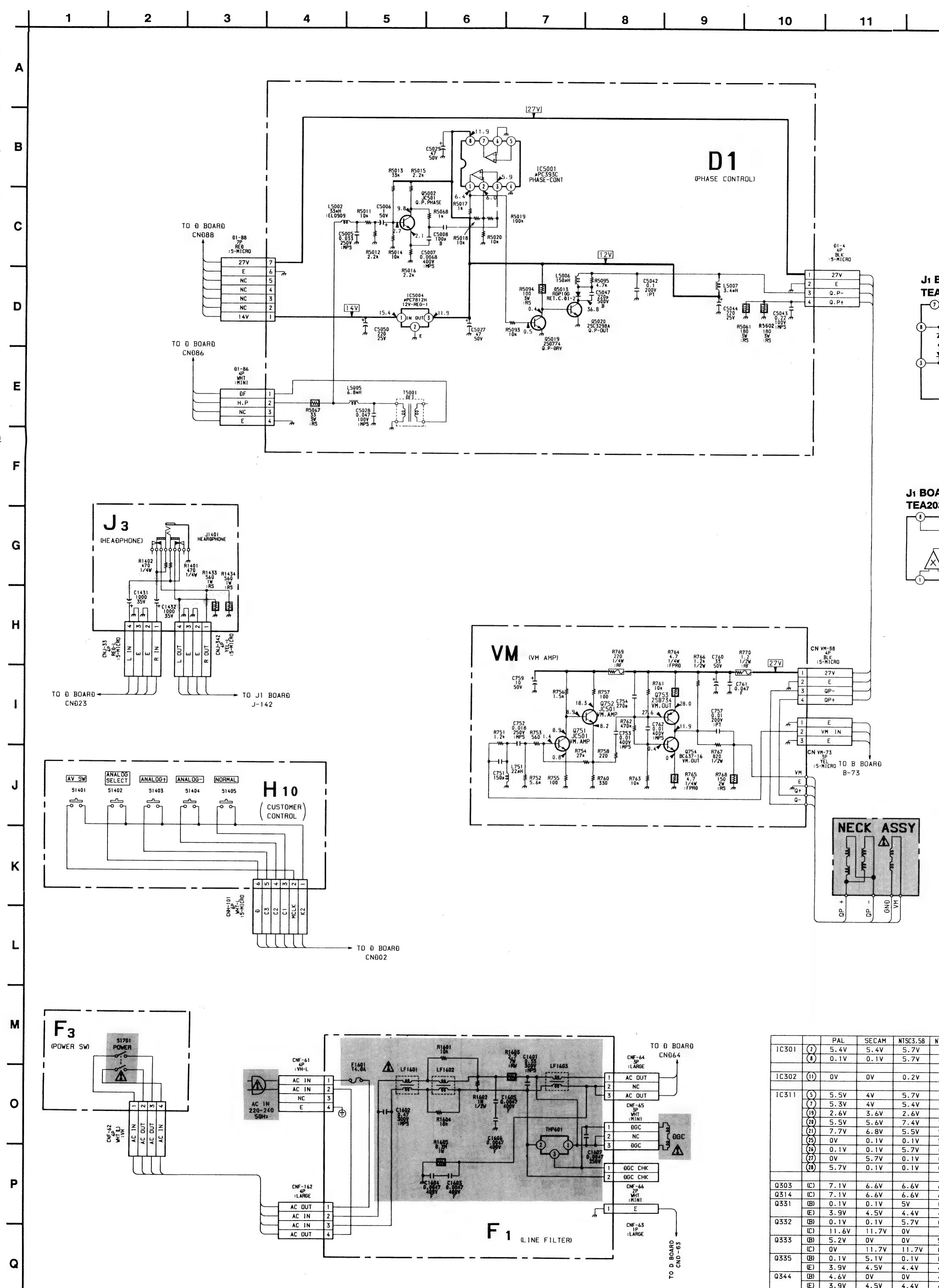
D1 (PHASE CONTROL)

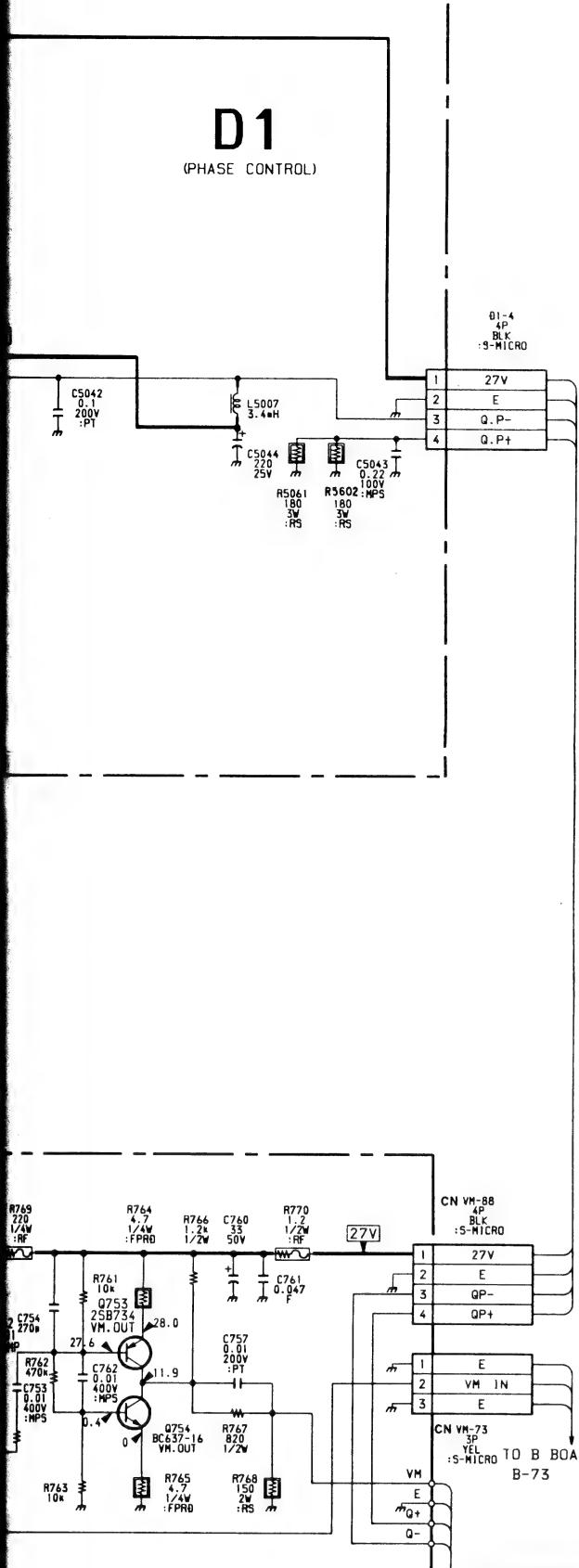
J3 (HEADPHONE)



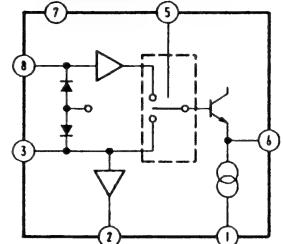
IC	DIODE
IC301	E-4
IC302	D-2
IC311	B-5
IC332	A-2
IC333	A-1
TRANSISTOR	
Q302	A-1
Q303	E-1
Q305	E-2
Q306	A-1
Q307	B-2
Q308	A-3
Q309	C-2
Q311	D-5
Q312	D-4
Q313	D-5
Q316	D-5
Q317	E-1
Q331	B-4
Q332	C-7
Q333	D-6
Q335	B-4
Q344	B-4
Q381	C-2
Q382	C-3
Q1305	C-2
Q1306	C-3
VARIABLE RESISTOR	
RV331	A-6
Q331	C-6
CT332	D-6
Q335	B-4
Q344	B-4
Q381	C-2
Q382	C-3
Q1305	C-2
Q1306	C-3

**D1 Board****B BOARD IC302 TDA8422****J3 Board****WAVEFORMS B BOARD****B BOARD IC311 TDA4555****VM Board**

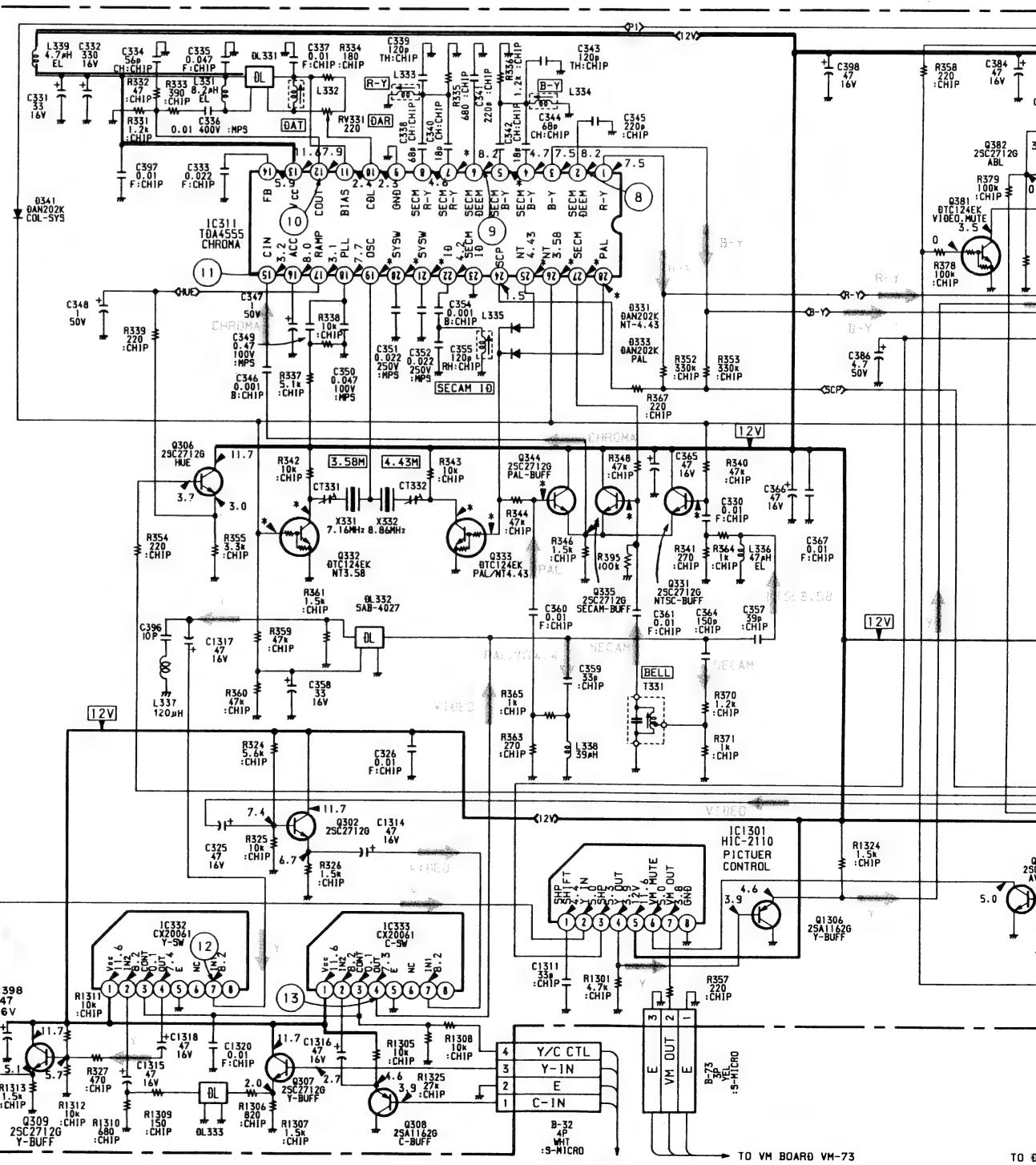
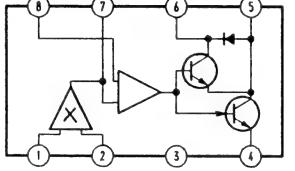




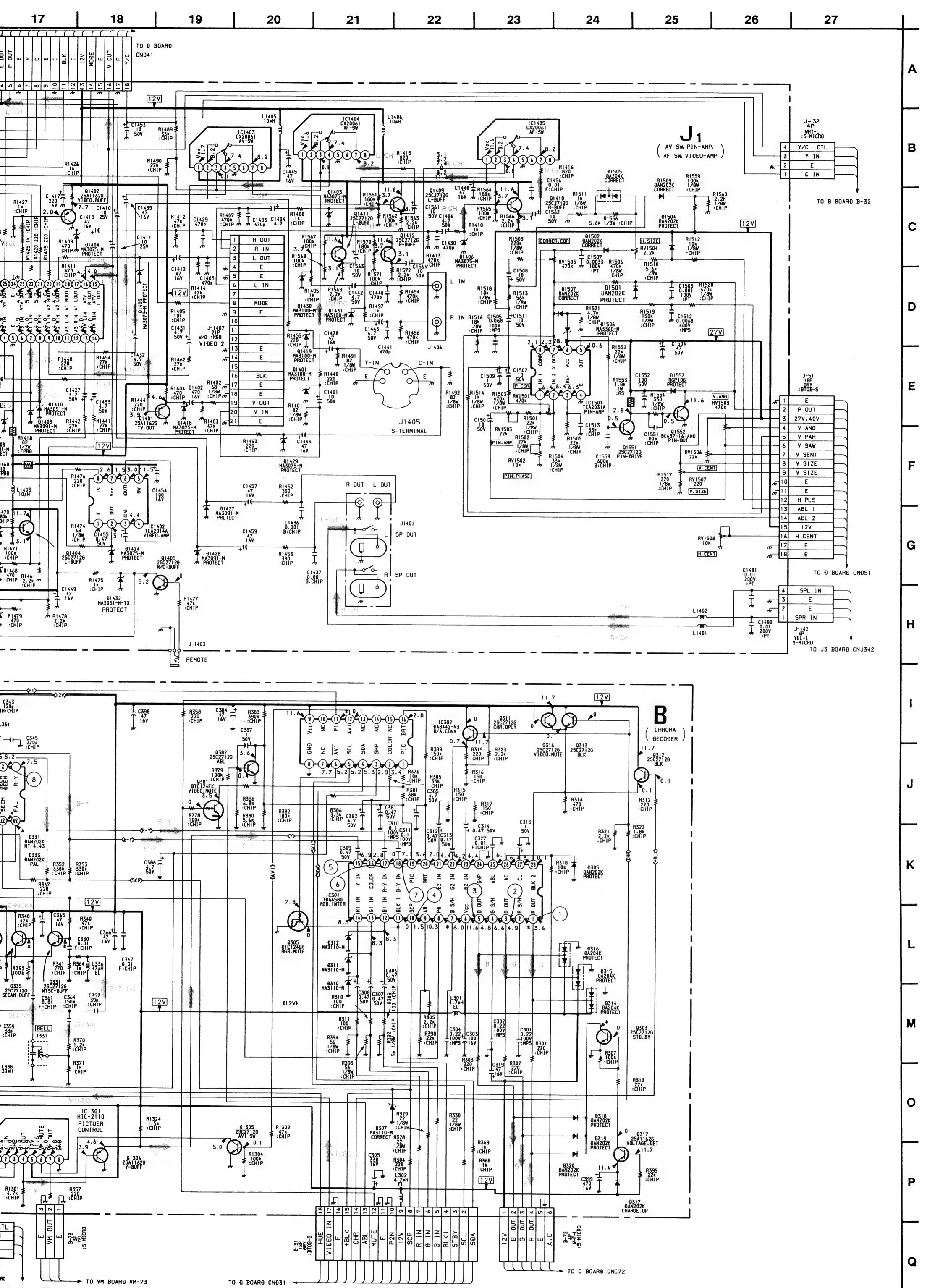
**J1 BOARD IC1402  
TEA2014A**



J1 BOARD IC1502  
TEA2031A



		PAL	SECAM	NTSC3.58	NTSC4.43
IC301	(2)	5.4V	5.4V	5.7V	5.4V
	(4)	0.1V	0.1V	5.7V	0.1V
IC302	(11)	0V	0V	0.2V	0V
IC311	(5)	5.5V	4V	5.7V	5.5V
	(7)	5.3V	4V	5.4V	5.2V
	(19)	2.6V	3.6V	2.6V	2.6V
	(20)	5.5V	5.6V	7.4V	7.4V
	(21)	7.7V	6.8V	5.5V	5.5V
	(25)	0V	0.1V	0.1V	5.7V
	(26)	0.1V	0.1V	5.7V	0.1V
	(27)	0V	5.7V	0.1V	0.1V
	(28)	5.7V	0.1V	0.1V	0.1V
Q303	(C)	7.1V	6.6V	6.6V	6.4V
Q314	(C)	7.1V	6.6V	6.6V	6.4V
Q331	(B)	0.1V	0.1V	5V	0V
	(E)	3.9V	4.5V	4.4V	4V
Q332	(B)	0.1V	0.1V	5.7V	0.1V
	(C)	11.6V	11.7V	0V	11.7V
Q333	(B)	5.2V	0V	0V	5.2V
	(C)	0V	11.7V	11.7V	0V
Q335	(B)	0.1V	5.1V	0.1V	0.1V
	(E)	3.9V	4.5V	4.4V	4V
Q344	(B)	4.6V	0V	0V	4.6V
	(E)	3.9V	4.5V	4.4V	4V



1 2 3 4 5 6 7 8 9 10 11

A

B

C

D

E

F

G

H

I

J

K

L

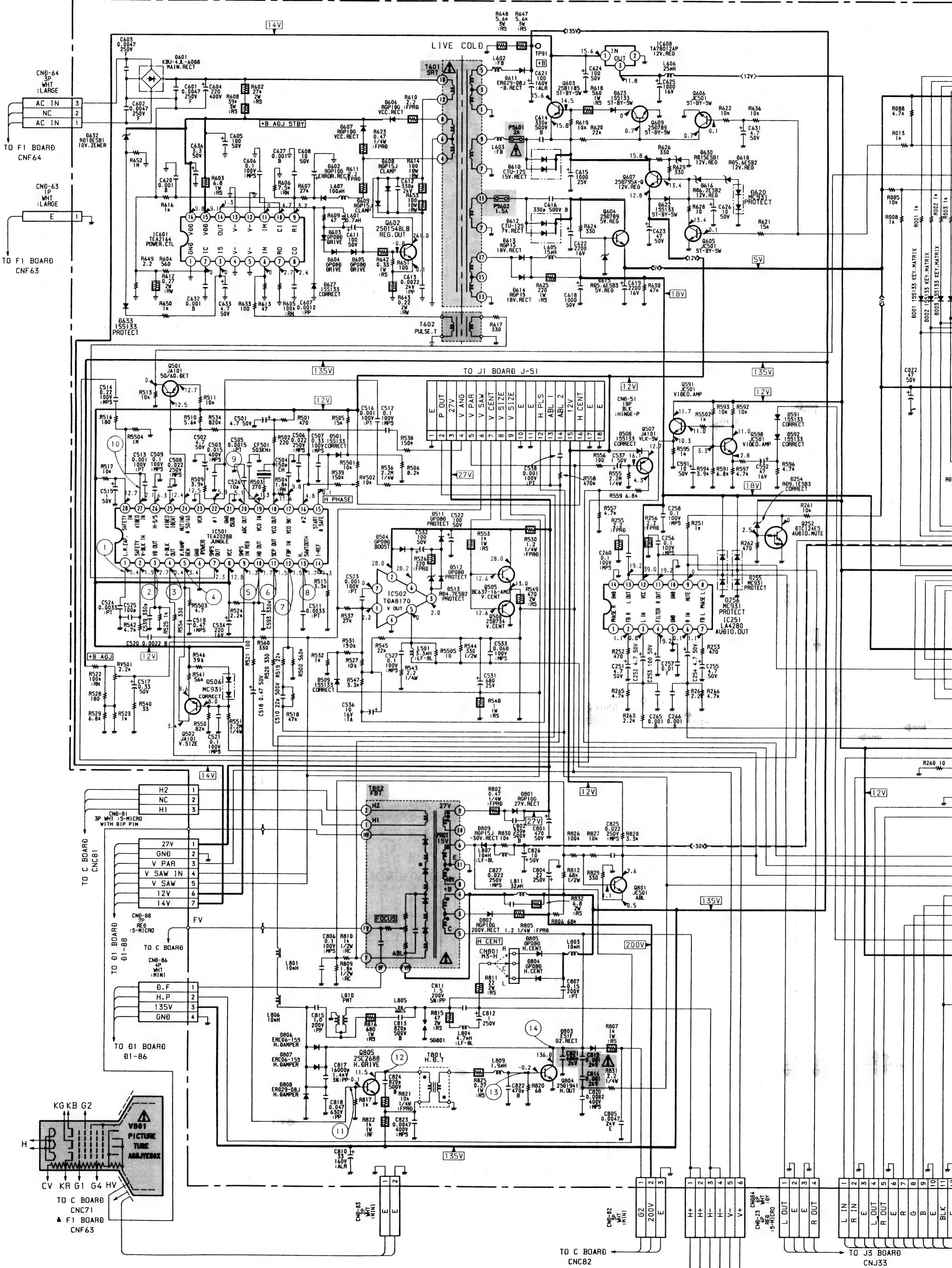
M

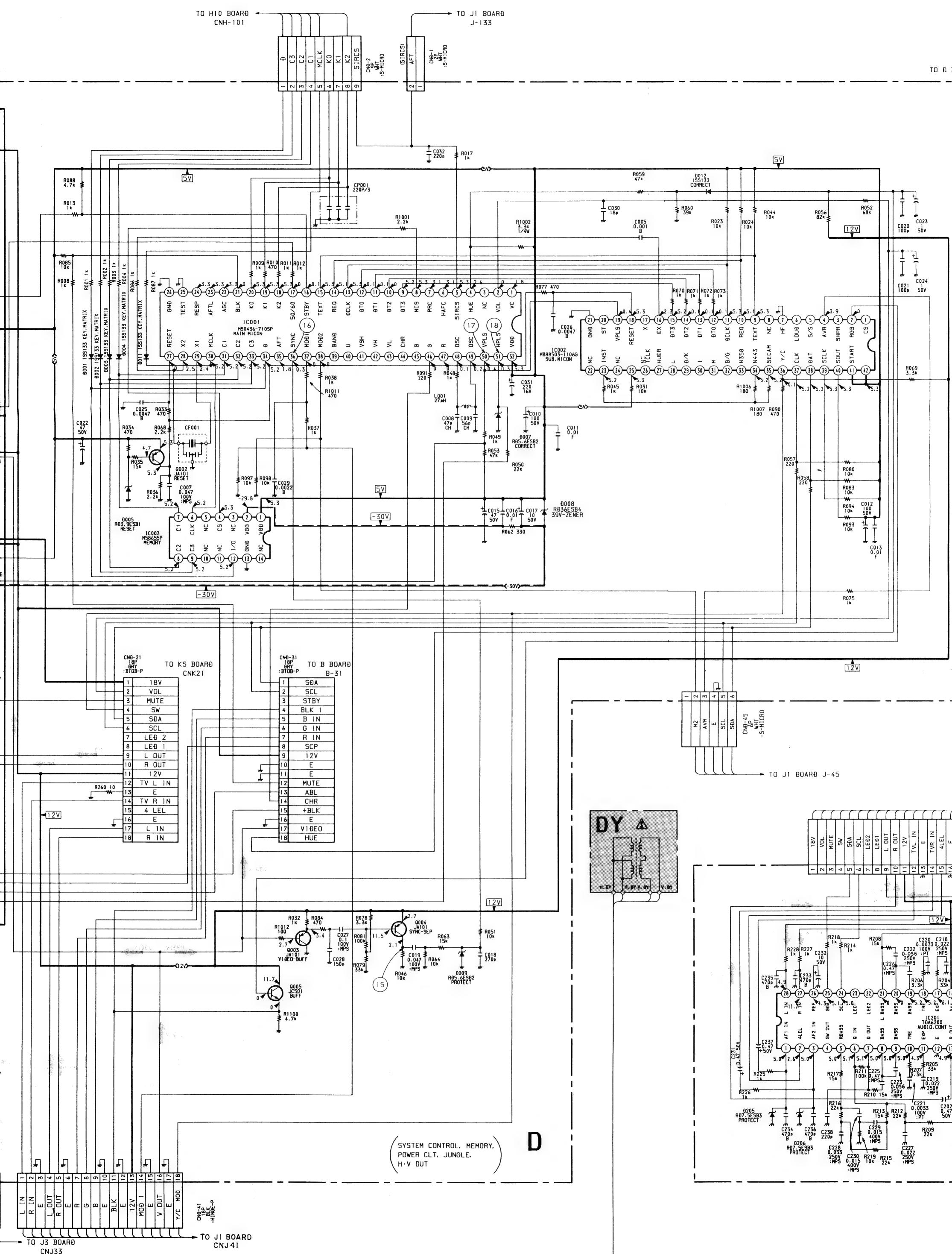
N

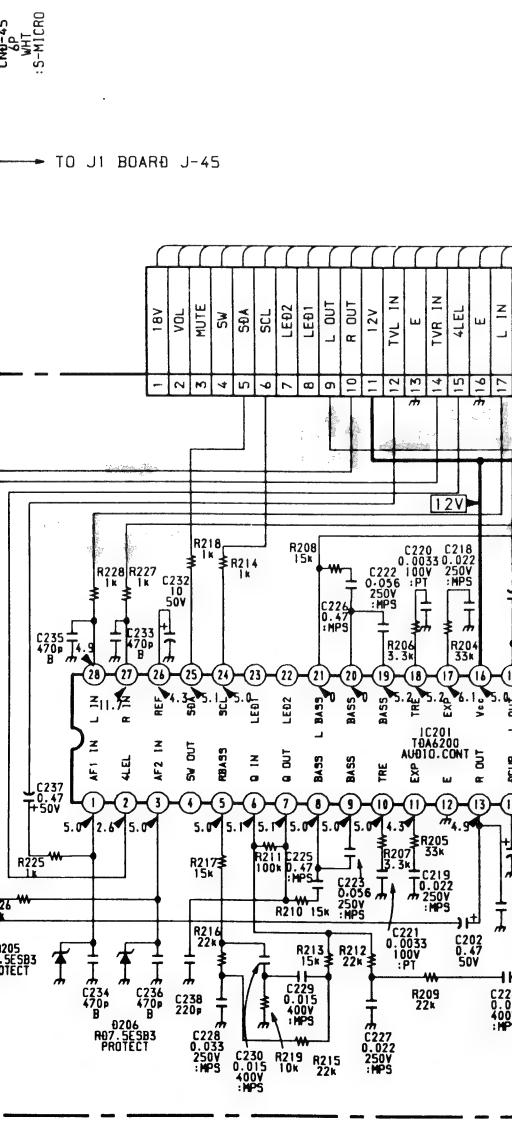
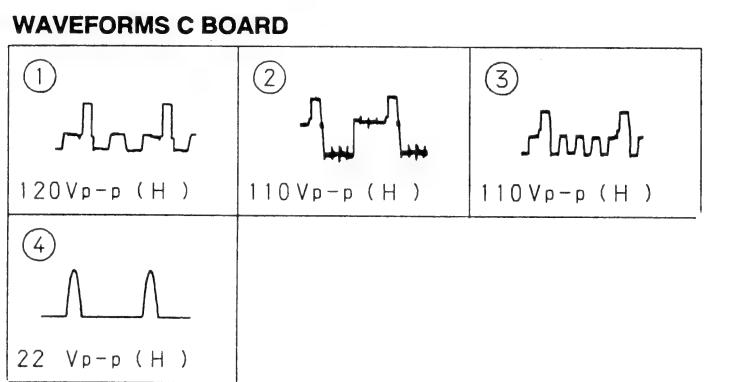
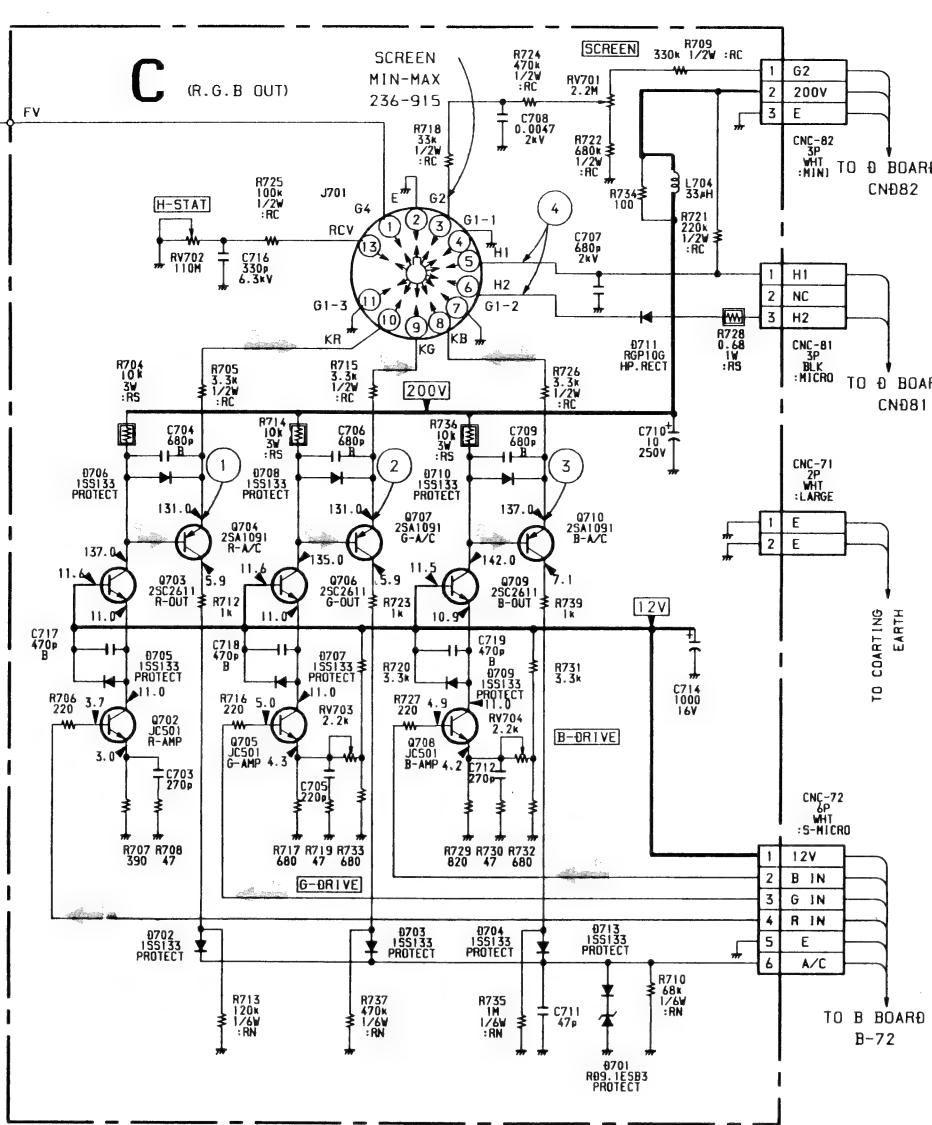
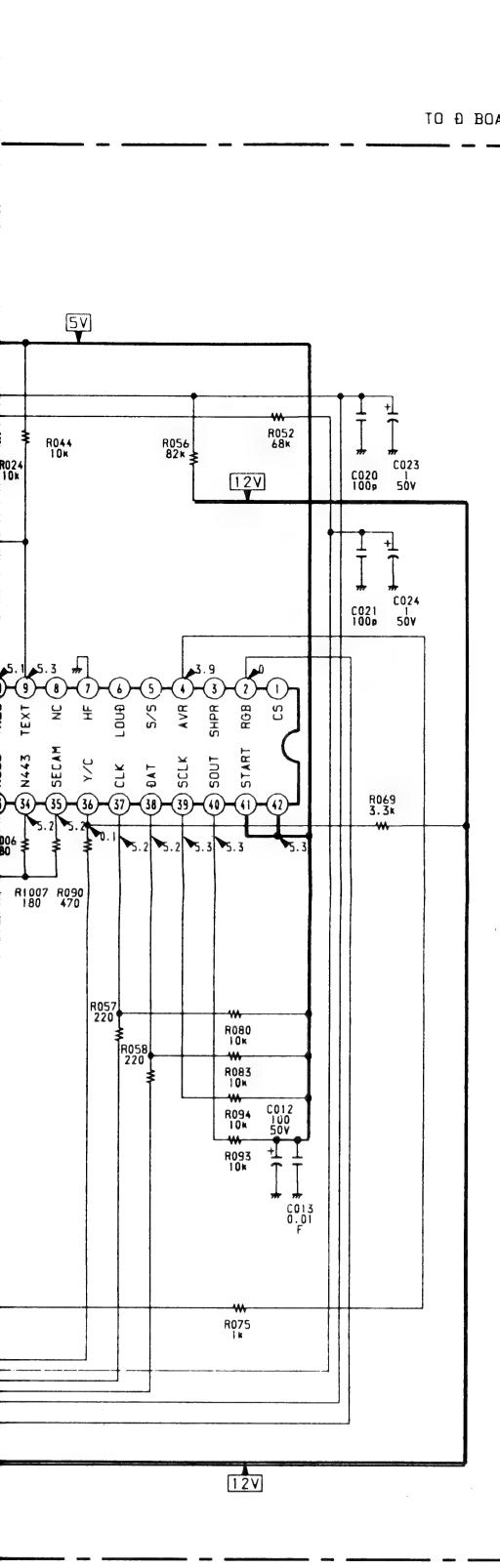
O

P

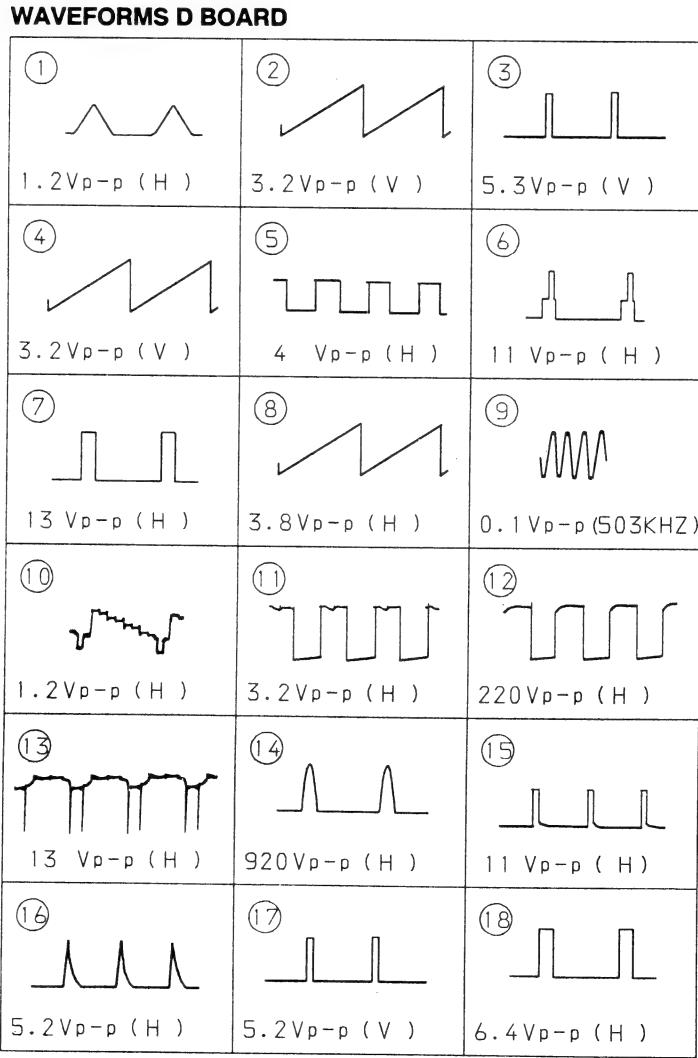
Q



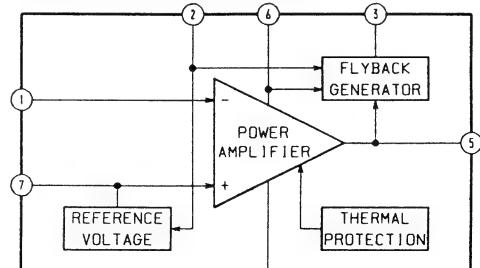




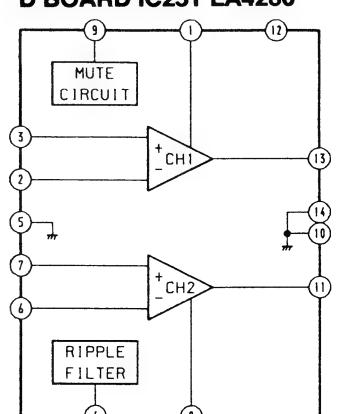
**KS**  
(STEREO)

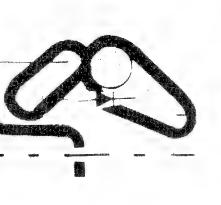


**D BOARD IC502 TDA8170**



**D BOARD IC251 LA4280**

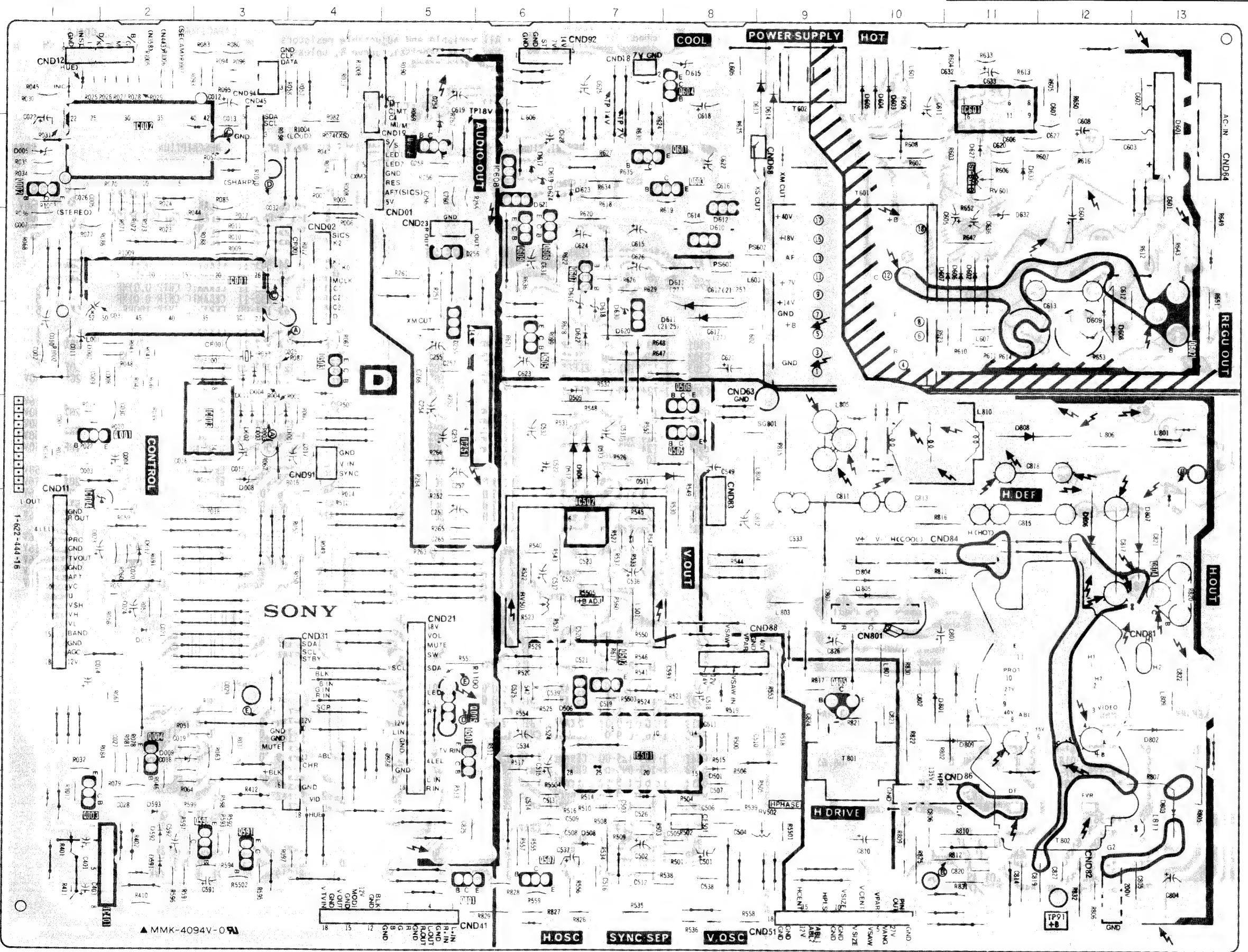




**NOTE:**

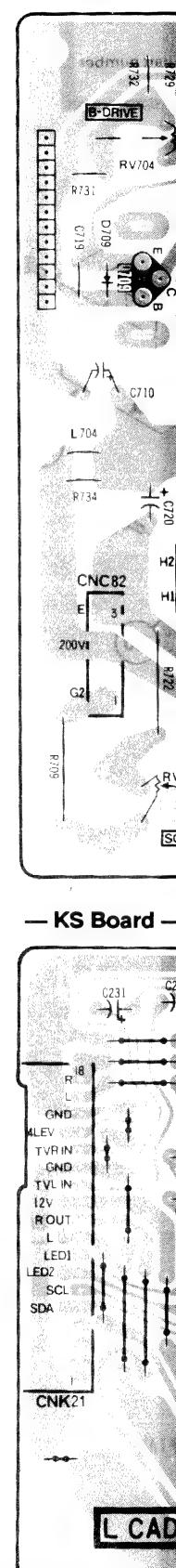
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

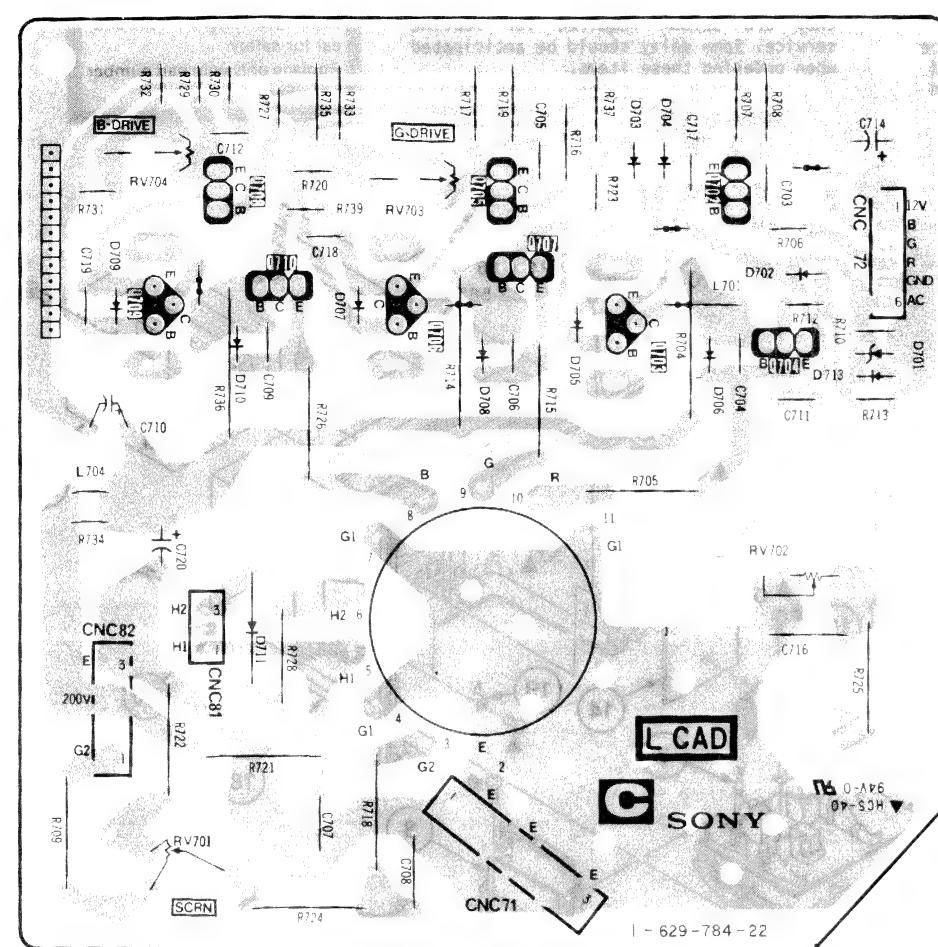
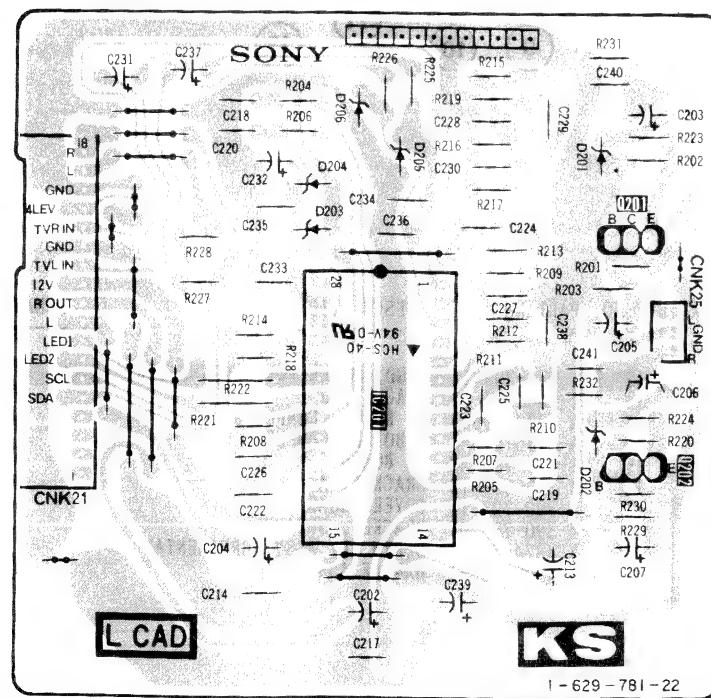
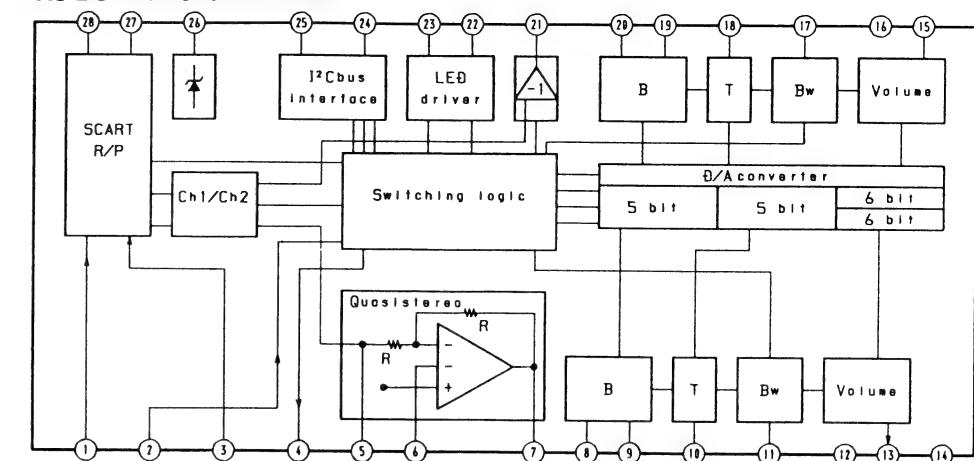
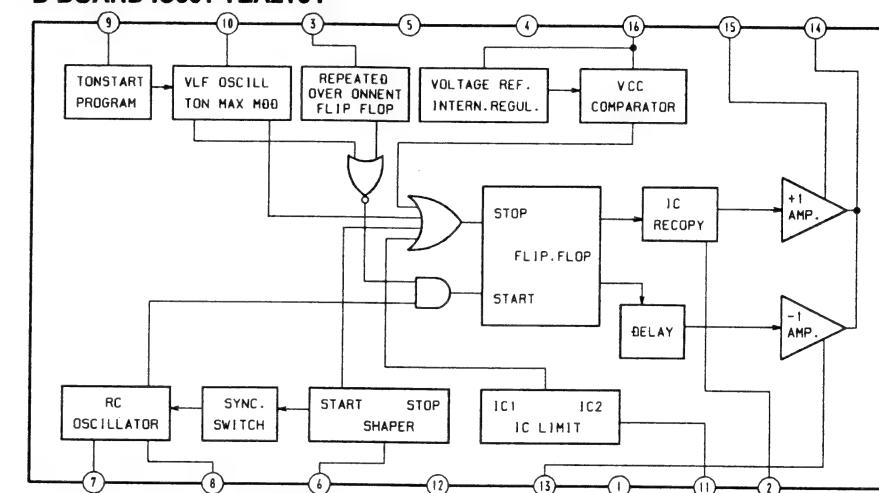
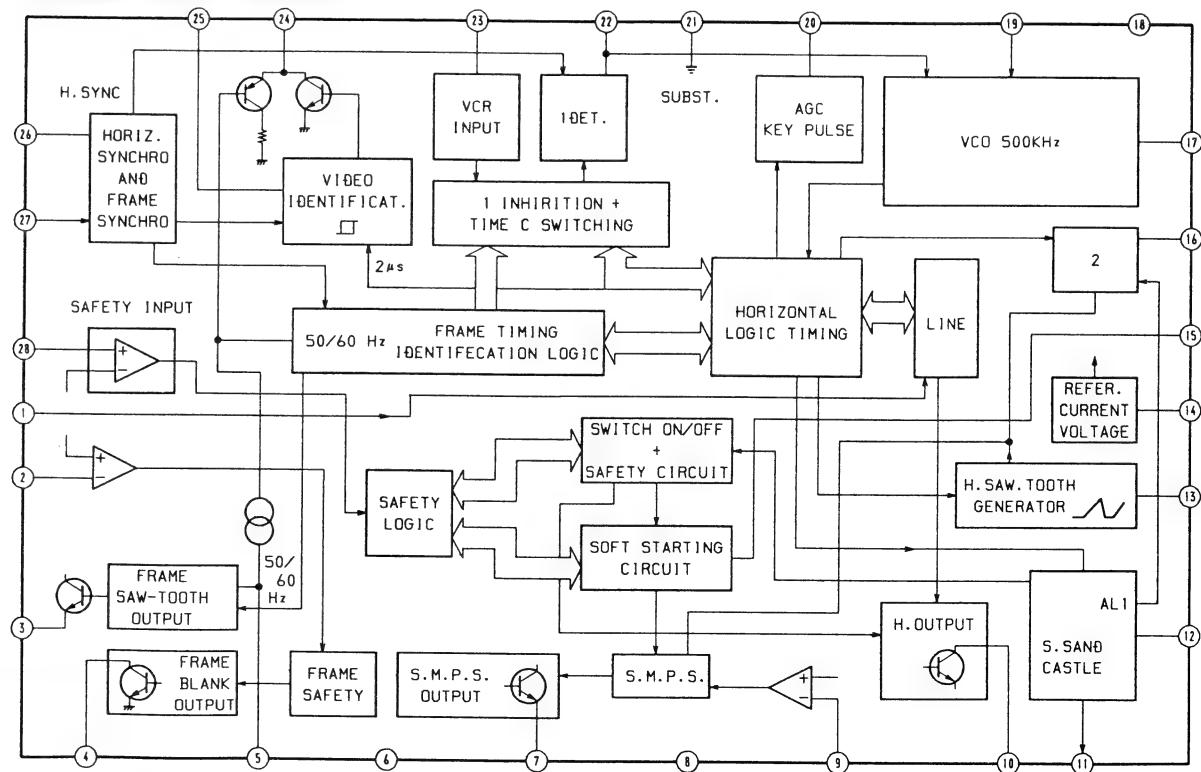
— D Board —



IC		DIODE	
IC001	D-3	D001	E-4
IC002	B-2	D002	E-3
IC003	E-3	D003	E-3
IC251	E-6	D004	D-3
IC501	H-7	D005	B-1
IC502	F-7	D007	D-1
IC601	B-11	D008	F-3
IC608	B-6	D009	I-3
TRANSISTOR		D011	E-3
Q002	B-1	D012	F-2
Q003	I-2	D254	B-5
Q004	H-2	D255	D-5
Q005	H-5	D256	C-5
Q501	H-6	D501	I-8
Q502	H-7	D504	E-7
Q505	E-8	D506	H-7
Q506	E-8	D508	I-7
Q507	J-6	D509	D-7
Q591	I-3	D511	F-8
Q598	I-3	D512	E-7
Q602	D-13	D513	E-7
Q603	B-8	D591	J-2
Q604	A-8	D592	I-2
Q605	D-6	D601	B-13
Q605	D-6	D602	C-11
Q606	C-6	D603	A-10
Q607	C-7	D604	A-10
Q609	C-6	D605	A-10
Q801	J-6	D606	C-11
Q804	G-13	D607	C-11
Q805	H-10	D608	D-11
		D609	D-12
		D610	C-8
		D611	D-8
		D612	C-8
		D613	A-9
		D614	B-9
		D615	A-8
		D616	D-7
		D618	D-7
		D620	D-8
		D622	D-7
		D623	C-7
		D627	B-11
		D630	D-7
		D632	C-11
		D633	C-11
		D801	H-11
		D802	H-13
		D803	I-13
		D804	G-10
		D805	G-10
		D806	F-12
		D807	F-13
		D808	E-12
		D809	H-11
VARIABLE RESISTOR			
RV501			G-6
RV502			I-9

## — C Board —

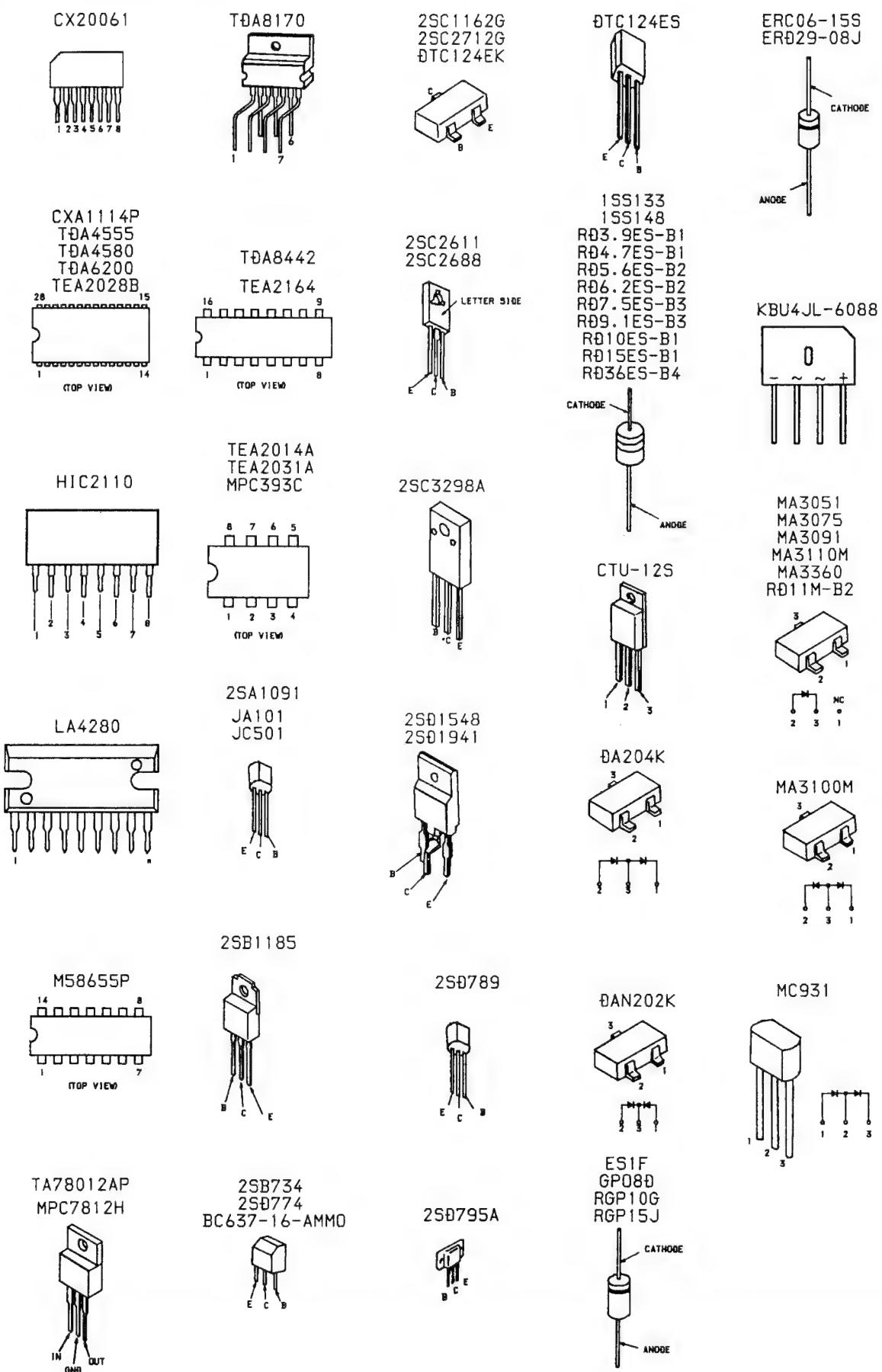


**C** (R·G·B OUT)**KS** (STEREO)**— C Board —****— KS Board —****KS BOARD IC201 TDA6200****D BOARD IC601 TEA2164****D BOARD IC501 TEA2028A**

## 5-4. SEMICONDUCTORS

## **SECTION 6**

### **EXPLODED VIEWS**



**NOTE :**

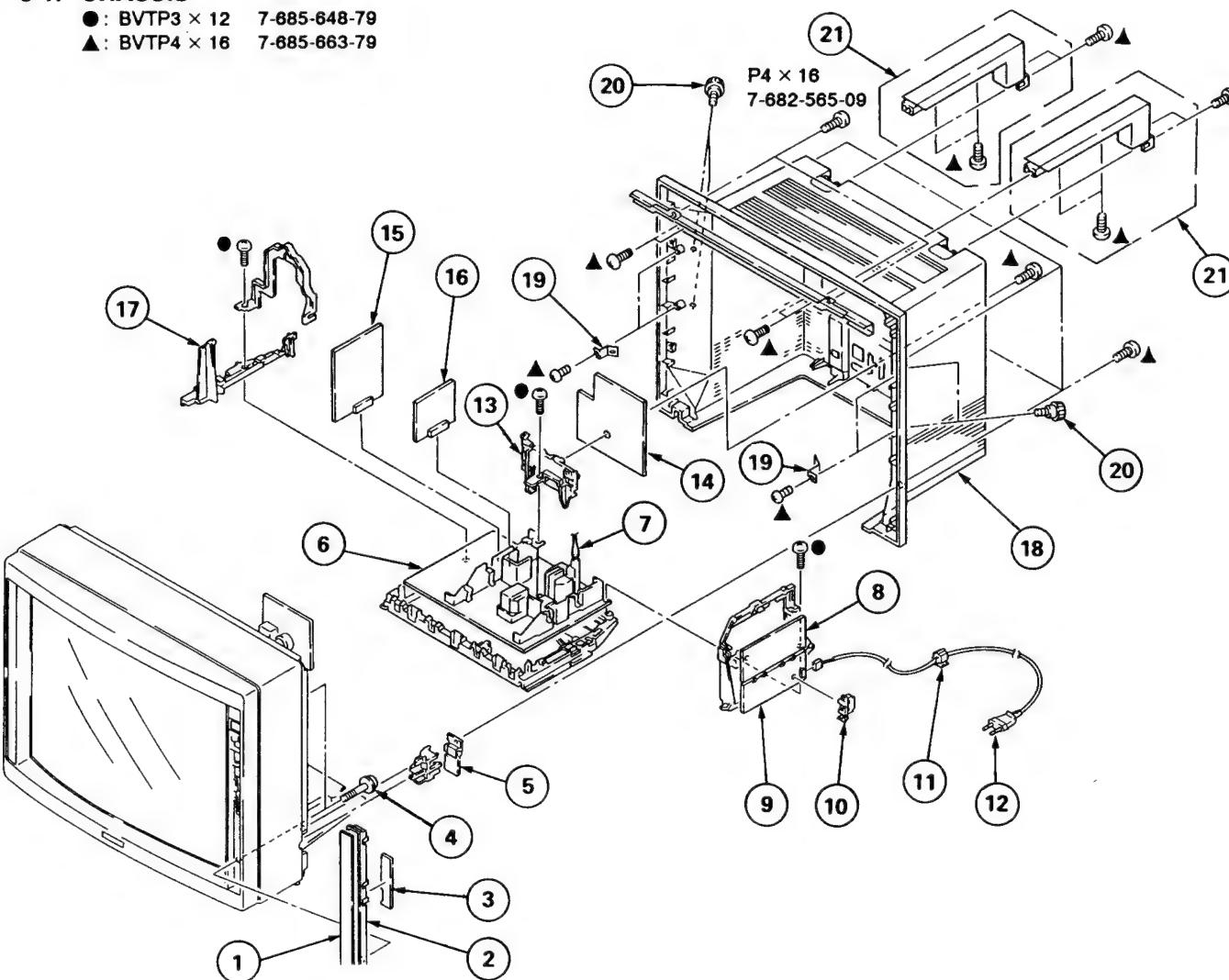
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

- Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark A are critical for safety. Replace only with part number specified.

## 6-1. CHASSIS

●: BVTP3 × 12 7-685-648-79  
▲: BVTP4 × 16 7-685-663-79



REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
1	4-393-598-01	LABEL (B)		12	Δ.1-574-299-11	CORD, POWER (WITH CONNECTOR)	
2	4-390-714-01	BRACKET, H PC BOARD		13	*4-386-624-11	BRACKET, J	
3	*1-630-632-23	H10 BOARD		14	*A-1388-098-A	J1 BOARD, COMPLETE	
4	4-319-520-11	SCREW, SPECIAL (+PW4X30)		15	*A-1135-574-A	B BOARD, COMPLETE	
5	*1-630-634-23	J3 BOARD		16	*1-629-781-22	KS BOARD	
6	*A-1345-858-A	D BOARD, COMPLETE		17	*4-386-629-12	BRACKET, A	
7	Δ.1-439-418-41	TRANSFORMER ASSY, FLYBACK (UX-1616)		18	4-390-723-11	COVER, REAR	
8	*1-630-852-11	D1 BOARD		19	4-390-735-01	BRACKET, SPEAKER	
9	*1-629-719-23	F1 BOARD		20	X-4374-104-1	SCREW (B) ASSY, ORNAMENTAL	
10	*4-386-620-02	COVER, POWER		21	X-4390-706-1	HANDLE ASSY	
11	Δ.4-389-201-02	HOLDER, AC CORD					

# SECTION 7

## ELECTRICAL PARTS LIST

B

NOTE:

The components identified by shading and mark  $\Delta$  are critical for safety.  
Replace only with part number specified.

- Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

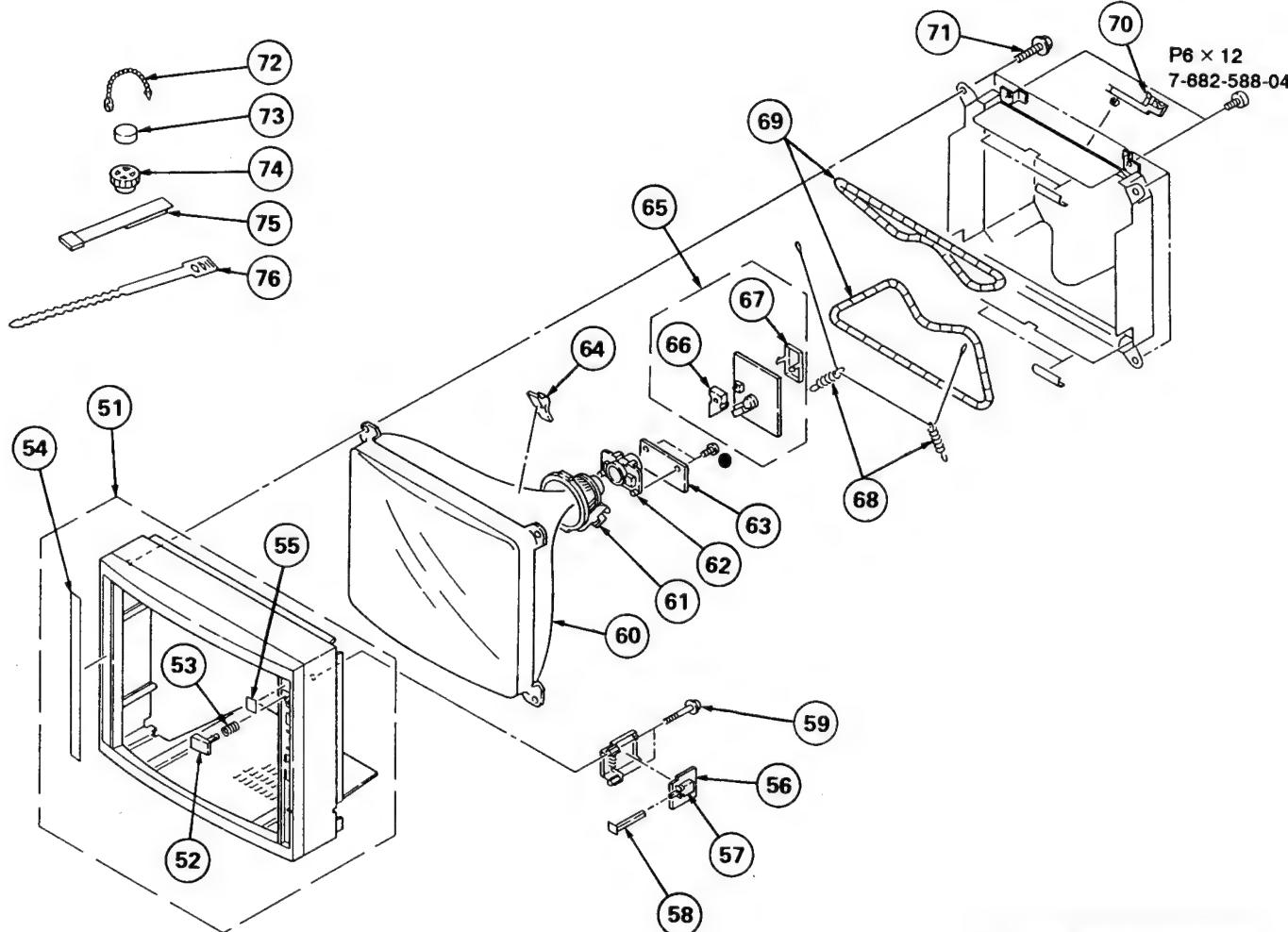
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

When indicating parts by reference number, please include the board name.

CAPACITORS      COILS  
MF :  $\mu$ F, PF :  $\mu\mu$ F      MMH : mH, UH :  $\mu$ H

## 6-2. PICTURE TUBE

●: BVTP3 x 12 7-685-648-79



The components identified by shading and mark  $\Delta$  are critical for safety.  
Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK				
*A-1135-574-A B BOARD, COMPLETE											
*****											
<CONNECTOR>											
B31	*1-562-370-21	CONNECTOR, BOARD TO BOARD 18P		C351	1-106-375-12	MYLAR	0.022MF 10% 250V				
B32	*1-568-879-51	PIN, CONNECTOR 4P		C352	1-106-375-12	MYLAR	0.022MF 10% 250V				
B72	*1-564-521-11	PLUG, CONNECTOR 6P		C354	1-163-009-11	CERAMIC CHIP	0.001MF 10% 50V				
B73	*1-568-878-81	PIN, CONNECTOR 3P		C355	1-163-119-00	CERAMIC CHIP	120PF 5% 50V				
<CAPACITOR>											
C301	1-106-228-00	MYLAR	0.22MF 10% 100V	C365	1-124-477-11	ELECT	47MF 20% 16V				
C302	1-106-228-00	MYLAR	0.22MF 10% 100V	C366	1-124-477-11	ELECT	47MF 20% 16V				
C303	1-126-101-11	ELECT	100MF 20% 16V	C367	1-164-232-11	CERAMIC CHIP	0.01MF 50V				
C304	1-106-228-00	MYLAR	0.22MF 10% 100V	C381	1-124-902-00	ELECT	0.47MF 20% 50V				
C305	1-124-119-00	ELECT	330MF 20% 16V	C382	1-124-927-11	ELECT	4.7MF 20% 50V				
C306	1-124-902-00	ELECT	0.47MF 20% 50V	C384	1-124-477-11	ELECT	47MF 20% 16V				
C307	1-124-902-00	ELECT	0.47MF 20% 50V	C385	1-124-927-11	ELECT	4.7MF 20% 50V				
C308	1-124-902-00	ELECT	0.47MF 20% 50V	C386	1-124-927-11	ELECT	4.7MF 20% 50V				
C309	1-124-902-00	ELECT	0.47MF 20% 50V	C387	1-124-499-11	ELECT	1MF 20% 50V				
C310	1-106-220-00	MYLAR	0.1MF 10% 100V	C396	1-102-947-00	CERAMIC	10PF 1PF 50V				
C311	1-106-220-00	MYLAR	0.1MF 10% 100V	C397	1-164-232-11	CERAMIC CHIP	0.01MF 50V				
C312	1-124-902-00	ELECT	0.47MF 20% 50V	C398	1-124-477-11	ELECT	47MF 20% 16V				
C313	1-124-902-00	ELECT	0.47MF 20% 50V	C399	1-126-103-11	ELECT	470MF 20% 16V				
C314	1-124-902-00	ELECT	0.47MF 20% 50V	C1311	1-163-105-00	CERAMIC CHIP	33PF 5% 50V				
C315	1-124-499-11	ELECT	1MF 20% 50V	C1314	1-124-477-11	ELECT	47MF 20% 16V				
C319	1-124-477-11	ELECT	47MF 20% 16V	C1315	1-124-477-11	ELECT	47MF 20% 16V				
C325	1-124-477-11	ELECT	47MF 20% 16V	C1316	1-124-477-11	ELECT	47MF 20% 16V				
C326	1-164-232-11	CERAMIC CHIP	0.01MF 50V	C1317	1-124-477-11	ELECT	47MF 20% 16V				
C327	1-164-232-11	CERAMIC CHIP	0.01MF 50V	C1318	1-124-477-11	ELECT	47MF 20% 16V				
C330	1-164-232-11	CERAMIC CHIP	0.01MF 50V	C1320	1-164-232-11	CERAMIC CHIP	0.01MF 50V				
C331	1-124-963-11	ELECT	33MF 20% 16V	<TRIMMER>							
C332	1-124-119-00	ELECT	330MF 20% 16V	CT331	1-141-181-11	CAP, TRIMMER					
C333	1-163-033-00	CERAMIC CHIP	0.022MF 50V	CT332	1-141-181-11	CAP, TRIMMER					
C334	1-163-111-00	CERAMIC CHIP	56PF 50V								
C335	1-163-035-00	CERAMIC CHIP	0.047MF 50V								
C336	1-106-367-00	MYLAR	0.01MF 10% 400V	<DIODE>							
C337	1-164-232-11	CERAMIC CHIP	0.01MF 50V	D305	8-719-400-18	DIODE MA152WK					
C338	1-163-113-00	CERAMIC CHIP	68PF 50V	D307	8-719-106-62	DIODE RD11M-B2					
C339	1-163-119-00	CERAMIC CHIP	120PF 50V	D310	8-719-106-62	DIODE RD11M-B2					
C340	1-163-099-00	CERAMIC CHIP	18PF 50V	D311	8-719-106-62	DIODE RD11M-B2					
C341	1-163-125-00	CERAMIC CHIP	220PF 50V	D312	8-719-106-62	DIODE RD11M-B2					
C342	1-163-099-00	CERAMIC CHIP	18PF 50V								
C343	1-163-119-00	CERAMIC CHIP	120PF 50V	D314	8-719-800-76	DIODE ISS226					
C344	1-163-113-00	CERAMIC CHIP	68PF 50V	D315	8-719-800-76	DIODE ISS226					
C345	1-163-125-00	CERAMIC CHIP	220PF 50V	D316	8-719-800-76	DIODE ISS226					
C346	1-163-009-11	CERAMIC CHIP	0.001MF 10% 50V	D317	8-719-400-18	DIODE MA152WK					
C347	1-124-499-11	ELECT	1MF 20% 50V	D318	8-719-400-18	DIODE MA152WK					
C348	1-124-499-11	ELECT	1MF 20% 50V	D319	8-719-400-18	DIODE MA152WK					
C349	1-136-173-00	FILM	0.47MF 5% 50V	D320	8-719-400-18	DIODE MA152WK					
C350	1-106-383-00	MYLAR	0.047MF 10% 100V	D331	8-719-400-18	DIODE MA152WK					

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
51	X-4390-701-2	BEZNET ASSY		52, 53	64	3-703-961-01	SPACER, DY
52	4-390-704-01	BUTTON, POWER			65	*A-1331-018-A	C BOARD, COMPLETE
53	3-666-528-00	SPRING, COMPRESSION			66, 67		
54	4-390-733-21	LABEL (L)			67	*4-379-167-01	COVER (MAIN), CV
55	4-390-732-01	LABEL (A) (R)			68	4-369-318-00	SPRING, TENSION
56	*1-630-633-23	F3 BOARD			69	*1-426-398-11	COIL, DEMAGNETIZATION
57	△ 1-571-433-11	SWITCH, PUSH (AC POWER)			70	*4-387-216-01	HOLDER, LEAD
58	4-390-705-01	SHAFT, BUTTON			71	4-373-263-11	SCREW (M), PT
59	4-319-520-11	SCREW, SPECIAL (+PW4X30)			72	4-308-870-00	CLIP, LEAD WIRE
60	△ 8-733-823-05	PICTURE TUBE (A68JYK60X)			73	1-452-032-00	MAGNET, DISK; 10MM $\phi$
61	△ 1-451-313-22	DEFLECTION YOKE (Y29FXA)			74	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM $\phi$
62	△ 1-452-509-12	NECK ASSY, PICTURE TUBE (NA-308)			75	X-4306-312-0	PERMALLOY ASSY, CONVERGENCE
63	*1-629-782-23	VM BOARD			76	3-701-007-00	BAND, BINDING

B

REF. NO.	PART NO.	DESCRIPTION		REMARK	REF. NO.	PART NO.	DESCRIPTION		REMARK
D333	8-719-400-18	DIODE	MA152WK		R307	1-216-097-00	METAL GLAZE	100K	5% 1/10W
D341	8-719-400-18	DIODE	MA152WK		R309	1-216-025-00	METAL GLAZE	100	5% 1/10W
<DELAY LINE>									
DL331	1-415-122-00	DELAY LINE			R310	1-216-025-00	METAL GLAZE	100	5% 1/10W
DL332	1-236-062-11	MODULE, Y	DELAY LINE		R311	1-216-025-00	METAL GLAZE	100	5% 1/10W
DL333	1-415-613-11	DELAY LINE, Y			R312	1-216-033-00	METAL GLAZE	220	5% 1/10W
<IC>									
IC301	8-759-979-85	IC	TDA4580-V4		R313	1-216-081-00	METAL GLAZE	22K	5% 1/10W
IC302	8-759-980-60	IC	TDA8442-N3		R314	1-216-041-00	METAL GLAZE	470	5% 1/10W
IC311	8-759-947-20	IC	TDA4555-V8		R315	1-216-029-00	METAL GLAZE	150	5% 1/10W
IC332	8-752-006-12	IC	CX20061		R316	1-216-029-00	METAL GLAZE	150	5% 1/10W
IC333	8-752-006-12	IC	CX20061		R317	1-216-029-00	METAL GLAZE	150	5% 1/10W
IC1301	1-235-534-11	CONTROL	MODULE, PICTURE		R318	1-216-073-00	METAL GLAZE	10K	5% 1/10W
<COIL>									
L301	1-408-405-00	INDUCTOR		4.7UH	R319	1-216-033-00	METAL GLAZE	220	5% 1/10W
L302	1-408-405-00	INDUCTOR		4.7UH	R320	1-216-073-00	METAL GLAZE	10K	5% 1/10W
L331	1-408-408-00	INDUCTOR		8.2UH	R321	1-216-057-00	METAL GLAZE	2.2K	5% 1/10W
L332	1-404-539-11	COIL			R322	1-216-055-00	METAL GLAZE	1.8K	5% 1/10W
L333	1-404-554-11	COIL			R323	1-216-057-00	METAL GLAZE	2.2K	5% 1/10W
L334	1-404-554-11	COIL			R324	1-216-067-00	METAL GLAZE	5.6K	5% 1/10W
L335	1-404-554-11	COIL			R325	1-216-073-00	METAL GLAZE	10K	5% 1/10W
L336	1-408-417-00	INDUCTOR		47UH	R326	1-216-053-00	METAL GLAZE	1.5K	5% 1/10W
L337	1-408-422-00	INDUCTOR		120UH	R327	1-216-041-00	METAL GLAZE	470	5% 1/10W
L338	1-408-416-00	INDUCTOR		39UH	R328	1-216-158-00	METAL GLAZE	22	5% 1/8W
L339	1-408-405-00	INDUCTOR		4.7UH	R329	1-216-158-00	METAL GLAZE	22	5% 1/8W
<TRANSISTOR>									
Q302	8-729-271-22	TRANSISTOR	2SC2712-G		R330	1-216-158-00	METAL GLAZE	22	5% 1/8W
Q303	8-729-271-22	TRANSISTOR	2SC2712-G		R331	1-216-051-00	METAL GLAZE	1.2K	5% 1/10W
Q305	8-729-901-00	TRANSISTOR	DTC124EK		R332	1-216-017-00	METAL GLAZE	47	5% 1/10W
Q306	8-729-271-22	TRANSISTOR	2SC2712-G		R333	1-216-039-00	METAL GLAZE	390	5% 1/10W
Q307	8-729-271-22	TRANSISTOR	2SC2712-G		R334	1-216-031-00	METAL GLAZE	180	5% 1/10W
Q308	8-729-216-22	TRANSISTOR	2SA1162		R335	1-216-045-00	METAL GLAZE	680	5% 1/10W
Q309	8-729-271-22	TRANSISTOR	2SC2712-G		R336	1-216-051-00	METAL GLAZE	1.2K	5% 1/10W
Q311	8-729-271-22	TRANSISTOR	2SC2712-G		R337	1-216-066-00	METAL GLAZE	5.1K	5% 1/10W
Q312	8-729-271-22	TRANSISTOR	2SC2712-G		R338	1-216-073-00	METAL GLAZE	10K	5% 1/10W
Q313	8-729-271-22	TRANSISTOR	2SC2712-G		R339	1-216-033-00	METAL GLAZE	220	5% 1/10W
Q316	8-729-271-22	TRANSISTOR	2SC2712-G		R340	1-216-089-00	METAL GLAZE	47K	5% 1/10W
Q317	8-729-216-22	TRANSISTOR	2SA1162		R341	1-216-035-00	METAL GLAZE	270	5% 1/10W
Q331	8-729-271-22	TRANSISTOR	2SC2712-G		R342	1-216-073-00	METAL GLAZE	10K	5% 1/10W
Q332	8-729-901-00	TRANSISTOR	DTC124EK		R343	1-216-073-00	METAL GLAZE	10K	5% 1/10W
Q333	8-729-901-00	TRANSISTOR	DTC124EK		R344	1-216-089-00	METAL GLAZE	47K	5% 1/10W
Q335	8-729-271-22	TRANSISTOR	2SC2712-G		R346	1-216-053-00	METAL GLAZE	1.5K	5% 1/10W
Q344	8-729-271-22	TRANSISTOR	2SC2712-G		R348	1-216-089-00	METAL GLAZE	47K	5% 1/10W
Q381	8-729-901-00	TRANSISTOR	DTC124EK		R352	1-216-109-00	METAL GLAZE	330K	5% 1/10W
Q382	8-729-271-22	TRANSISTOR	2SC2712-G		R353	1-216-109-00	METAL GLAZE	330K	5% 1/10W
Q1305	8-729-271-22	TRANSISTOR	2SC2712-G		R354	1-216-033-00	METAL GLAZE	220	5% 1/10W
Q1306	8-729-216-22	TRANSISTOR	2SA1162		R355	1-216-061-00	METAL GLAZE	3.3K	5% 1/10W
<RESISTOR>									
R301	1-216-033-00	METAL GLAZE	220	5% 1/10W	R356	1-216-069-00	METAL GLAZE	6.8K	5% 1/10W
R302	1-216-033-00	METAL GLAZE	220	5% 1/10W	R357	1-216-033-00	METAL GLAZE	220	5% 1/10W
R303	1-216-033-00	METAL GLAZE	220	5% 1/10W	R358	1-216-033-00	METAL GLAZE	220	5% 1/10W
R304	1-216-033-00	METAL GLAZE	220	5% 1/10W	R359	1-216-089-00	METAL GLAZE	47K	5% 1/10W
R305	1-216-057-00	METAL GLAZE	2.2K	5% 1/10W	R360	1-216-089-00	METAL GLAZE	47K	5% 1/10W
					R361	1-216-053-00	METAL GLAZE	1.5K	5% 1/10W
					R363	1-216-035-00	METAL GLAZE	270	5% 1/10W
					R364	1-216-049-00	METAL GLAZE	1K	5% 1/10W
					R365	1-216-049-00	METAL GLAZE	1K	5% 1/10W
					R367	1-216-033-00	METAL GLAZE	220	5% 1/10W
					R368	1-216-049-00	METAL GLAZE	1K	5% 1/10W
					R369	1-216-049-00	METAL GLAZE	1K	5% 1/10W
					R370	1-216-051-00	METAL GLAZE	1.2K	5% 1/10W
					R371	1-216-049-00	METAL GLAZE	1K	5% 1/10W
					R376	1-216-073-00	METAL GLAZE	10K	5% 1/10W
					R378	1-216-097-00	METAL GLAZE	100K	5% 1/10W
					R379	1-216-097-00	METAL GLAZE	100K	5% 1/10W
					R380	1-216-067-00	METAL GLAZE	5.6K	5% 1/10W
					R381	1-216-093-00	METAL GLAZE	68K	5% 1/10W
					R382	1-216-103-00	METAL GLAZE	180K	5% 1/10W
					R383	1-216-111-00	METAL GLAZE	390K	5% 1/10W
					R385	1-216-085-00	METAL GLAZE	33K	5% 1/10W

The components identified by shading and mark **▲** are critical for safety.  
Replace only with part number specified.

**B** **F3** **F1** **C**

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK	
R386	1-216-061-00	METAL GLAZE	3.3K 5%	1/10W	F62	*1-566-664-11	PIN, CONNECTOR 4P	
R389	1-216-101-00	METAL GLAZE	150K 5%	1/10W				
R392	1-216-168-00	METAL GLAZE	56 5%	1/8W				
R393	1-216-168-00	METAL GLAZE	56 5%	1/8W				
R394	1-216-168-00	METAL GLAZE	56 5%	1/8W				
R395	1-249-441-11	CARBON	100K 5%	1/4W				
R398	1-216-081-00	METAL GLAZE	22K 5%	1/10W				
R399	1-216-081-00	METAL GLAZE	22K 5%	1/10W				
R1301	1-216-065-00	METAL GLAZE	4.7K 5%	1/10W		*1-629-719-23	F1 BOARD	
R1302	1-216-089-00	METAL GLAZE	47K 5%	1/10W				
R1304	1-216-097-00	METAL GLAZE	100K 5%	1/10W				
R1305	1-216-073-00	METAL GLAZE	10K 5%	1/10W				
R1306	1-216-047-00	METAL GLAZE	820 5%	1/10W				
R1307	1-216-053-00	METAL GLAZE	1.5K 5%	1/10W				
R1308	1-216-073-00	METAL GLAZE	10K 5%	1/10W				
R1309	1-216-029-00	METAL GLAZE	150 5%	1/10W				
R1310	1-216-045-00	METAL GLAZE	680 5%	1/10W				
R1311	1-216-073-00	METAL GLAZE	10K 5%	1/10W				
R1312	1-216-073-00	METAL GLAZE	10K 5%	1/10W				
R1313	1-216-053-00	METAL GLAZE	1.5K 5%	1/10W				
R1324	1-216-053-00	METAL GLAZE	1.5K 5%	1/10W				
R1325	1-216-083-00	METAL GLAZE	27K 5%	1/10W				
R1701	1-216-296-00	METAL GLAZE	0 5%	1/8W				
R1702	1-216-296-00	METAL GLAZE	0 5%	1/8W				
R1703	1-216-295-00	METAL GLAZE	0 5%	1/10W				
R1704	1-216-296-00	METAL GLAZE	0 5%	1/8W				
R1705	1-216-295-00	METAL GLAZE	0 5%	1/10W				
R1706	1-216-296-00	METAL GLAZE	0 5%	1/8W				
R1707	1-216-295-00	METAL GLAZE	0 5%	1/10W				
R1708	1-216-296-00	METAL GLAZE	0 5%	1/8W				
R1709	1-216-296-00	METAL GLAZE	0 5%	1/8W				
R1710	1-216-296-00	METAL GLAZE	0 5%	1/8W				
R1711	1-216-296-00	METAL GLAZE	0 5%	1/8W				
R1712	1-216-295-00	METAL GLAZE	0 5%	1/10W				
R1713	1-216-296-00	METAL GLAZE	0 5%	1/8W				
R1714	1-216-296-00	METAL GLAZE	0 5%	1/8W				
R1715	1-216-295-00	METAL GLAZE	0 5%	1/10W				
R1716	1-216-295-00	METAL GLAZE	0 5%	1/10W				
R1717	1-216-296-00	METAL GLAZE	0 5%	1/8W				
R1718	1-216-296-00	METAL GLAZE	0 5%	1/8W				
R1719	1-216-295-00	METAL GLAZE	0 5%	1/10W				
R1720	1-216-295-00	METAL GLAZE	0 5%	1/10W				
R1721	1-216-295-00	METAL GLAZE	0 5%	1/10W				
<VARIABLE RESISTOR>								
RV331	1-238-009-11	RES, ADJ, CARBON	220					
<TRANSFORMER>								
T331	1-404-584-11	COIL						
<CRYSTAL>								
X331	1-567-307-11	OSCILLATOR, CRYSTAL						
X332	1-567-131-00	OSCILLATOR, CRYSTAL						
*****								
*1-630-633-23 F3 BOARD								
*****								
<CONNECTOR>								
C71	*1-506-371-00	PIN, CONNECTOR 2P						
C72	*1-568-881-51	PIN, CONNECTOR 6P						
C81	*1-560-123-00	PLUG, CONNECTOR (2.5MM PITCH)						
C82	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P						
<CONNECTOR>								
THP601▲ 1-808-059-31 THERMISTOR, POSITIVE								
*****								
*A-1331-018-A C BOARD, COMPLETE								
*****								
*4-379-160-01 COVER (REAR LID), CV								
*4-379-167-01 COVER (MAIN), CV								
*4-386-664-01 SPRING								
*****								
<CONNECTOR>								
C71 *1-506-371-00 PIN, CONNECTOR 2P								
C72 *1-568-881-51 PIN, CONNECTOR 6P								
C81 *1-560-123-00 PLUG, CONNECTOR (2.5MM PITCH)								
C82 *1-508-765-00 PIN, CONNECTOR (5MM PITCH) 3P								

C D1

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK						
<b>&lt;CAPACITOR&gt;</b>													
C703	1-102-980-00	CERAMIC	270PF	5%	50V	R713	1-215-471-00	METAL	120K	1%	1/6W		
C704	1-102-116-00	CERAMIC	680PF	10%	50V	R714	1-215-923-00	METAL OXIDE	10K	5%	3W F		
C705	1-102-978-00	CERAMIC	220PF	5%	50V	R715	1-202-824-00	SOLID	3.3K	10%	1/2W		
C706	1-102-116-00	CERAMIC	680PF	10%	50V	R716	1-249-409-11	CARBON	220	5%	1/4W		
C707	1-162-116-00	CERAMIC	680PF	10%	2KV	R717	1-249-415-11	CARBON	680	5%	1/4W		
C708	1-162-114-00	CERAMIC	0.0047MF		2KV	R718	1-202-814-11	SOLID	33K	10%	1/2W		
C709	1-102-116-00	CERAMIC	680PF	10%	50V	R719	1-249-401-11	CARBON	47	5%	1/4W		
C710	1-123-947-00	ELECT	10MF	20%	250V	R720	1-249-423-11	CARBON	3.3K	5%	1/4W		
C711	1-101-880-00	CERAMIC	47PF	5%	50V	R721	1-202-842-11	SOLID	220K	10%	1/2W		
C712	1-102-980-00	CERAMIC	270PF	5%	50V	R722	1-202-848-00	SOLID	680K	10%	1/2W		
C714	1-124-360-00	ELECT	1000MF	20%	16V	R723	1-249-417-11	CARBON	1K	5%	1/4W		
C716	1-162-622-11	CERAMIC	330PF	10%	6.3KV	R724	1-202-846-00	SOLID	470K	10%	1/2W		
C717	1-102-114-00	CERAMIC	470PF	10%	50V	R725	1-202-838-00	SOLID	100K	10%	1/2W		
C718	1-102-114-00	CERAMIC	470PF	10%	50V	R726	1-202-824-00	SOLID	3.3K	10%	1/2W		
C719	1-102-114-00	CERAMIC	470PF	10%	50V	R727	1-249-409-11	CARBON	220	5%	1/4W		
<b>&lt;DIODE&gt;</b>													
D701	8-719-110-14	DIODE RD9.1ES-B3				R728	1-216-347-11	METAL OXIDE	0.68	5%	1W F		
D702	8-719-911-19	DIODE ISS119				R729	1-249-416-11	CARBON	820	5%	1/4W		
D703	8-719-911-19	DIODE ISS119				R730	1-249-401-11	CARBON	47	5%	1/4W		
D704	8-719-911-19	DIODE ISS119				R731	1-249-423-11	CARBON	3.3K	5%	1/4W		
D705	8-719-911-19	DIODE ISS119				R732	1-249-415-11	CARBON	680	5%	1/4W		
D706	8-719-911-19	DIODE ISS119				R733	1-249-415-11	CARBON	680	5%	1/4W		
D707	8-719-911-19	DIODE ISS119				R734	1-249-405-11	CARBON	100	5%	1/4W		
D708	8-719-911-19	DIODE ISS119				R735	1-215-493-00	METAL	1M	1%	1/6W F		
D709	8-719-911-19	DIODE ISS119				R736	1-215-923-00	METAL OXIDE	10K	5%	3W		
D710	8-719-911-19	DIODE ISS119				R737	1-215-485-00	METAL	470K	1%	1/6W		
D711	8-719-300-33	DIODE RU-3AM				R739	1-249-417-11	CARBON	1K	5%	1/4W		
D713	8-719-911-19	DIODE ISS119				<b>&lt;VARIABLE RESISTOR&gt;</b>							
<b>&lt;JACK&gt;</b>													
J701	1-526-798-51	SOCKET, PICTURE TUBE				RV701	1-230-641-11	RES. ADJ. METAL GLAZE	2.2M				
						RV702	1-230-619-11	RES. ADJ. METAL GLAZE	110M				
						RV703	1-237-749-11	RES. ADJ. CARBON	2200				
						RV704	1-237-749-11	RES. ADJ. CARBON	2200				
*****													
<b>&lt;COIL&gt;</b>													
L704	1-410-878-21	INDUCTOR	33UH			<b>&lt;CAPACITOR&gt;</b>							
<b>&lt;TRANSISTOR&gt;</b>													
Q702	8-729-119-78	TRANSISTOR 2SC2785-HFE				C5005	1-106-379-12	MYLAR	0.033MF	10%	250V		
Q703	8-729-326-11	TRANSISTOR 2SC2611				C5006	1-124-499-11	ELECT	1MF	20%	50V		
Q704	8-729-200-17	TRANSISTOR 2SA1091				C5007	1-106-363-00	MYLAR	0.0068MF	10%	400V		
Q705	8-729-119-78	TRANSISTOR 2SC2785-HFE				C5008	1-102-106-00	CERAMIC	100PF	10%	50V		
Q706	8-729-326-11	TRANSISTOR 2SC2611				C5027	1-124-910-11	ELECT	47MF	20%	50V		
Q707	8-729-200-17	TRANSISTOR 2SA1091				C5028	1-106-383-00	MYLAR	0.047MF	10%	100V		
Q708	8-729-119-78	TRANSISTOR 2SC2785-HFE				C5029	1-124-910-11	ELECT	47MF	20%	50V		
Q709	8-729-326-11	TRANSISTOR 2SC2611				C5042	1-108-704-11	MYLAR	0.1MF	10%	200V		
Q710	8-729-200-17	TRANSISTOR 2SA1091				C5043	1-106-228-00	MYLAR	0.22MF	10%	100V		
<b>&lt;RESISTOR&gt;</b>													
R704	1-215-923-00	METAL OXIDE	10K	5%	3W F	C5044	1-124-120-11	ELECT	220MF	20%	25V		
R705	1-202-824-00	SOLID	3.3K	10%	1/2W	C5047	1-102-244-00	CERAMIC	220PF	10%	500V		
R706	1-249-409-11	CARBON	220	5%	1/4W	C5050	1-124-120-11	ELECT	220MF	20%	25V		
R707	1-249-412-11	CARBON	390	5%	1/4W	<b>&lt;DIODE&gt;</b>							
R708	1-249-401-11	CARBON	47	5%	1/4W	D5013	8-719-300-33	DIODE RU-3AM					
R709	1-202-844-00	SOLID	330K	10%	1/2W	<b>&lt;CONNECTOR&gt;</b>							
R710	1-215-465-00	METAL	68K	1%	1/6W	D1-4	*1-568-879-61	PIN, CONNECTOR 4P					
R712	1-249-417-11	CARBON	1K	5%	1/4W	D1-86	*1-508-766-00	PIN, CONNECTOR (5MM PITCH) 4P					
						D1-88	*1-568-882-71	PIN, CONNECTOR 7P					

D1 VM D

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK				
<IC>											
IC5001	8-759-103-93	IC UPC393C		Q751	8-729-119-78	TRANSISTOR 2SC2785-HFE					
IC5004	8-759-280-12	IC TA78012AP		Q752	8-729-119-78	TRANSISTOR 2SC2785-HFE					
	*4-368-683-01	SPRING; IC5004		Q753	8-729-140-97	TRANSISTOR 2SB734-34					
				Q754	8-729-140-96	TRANSISTOR 2SD774-34					
<COIL>											
L5002	1-410-093-11	INDUCTOR 33MMH		R751	1-249-418-11	CARBON 1.2K	5% 1/4W				
L5005	1-459-074-00	COIL, DUST CORE 6.8MMH(HCC)		R752	1-249-426-11	CARBON 5.6K	5% 1/4W				
L5006	1-459-592-11	COIL (WITH CORE) (PMC)		R753	1-249-414-11	CARBON 560	5% 1/4W				
L5007	1-459-941-12	COIL, CHOKE 3.4MMH		R754	1-249-434-11	CARBON 27K	5% 1/4W				
				R755	1-249-405-11	CARBON 100	5% 1/4W				
<TRANSISTOR>											
Q5002	8-729-119-78	TRANSISTOR 2SC2785-HFE		R756	1-249-419-11	CARBON 1.5K	5% 1/4W				
Q5019	8-729-140-96	TRANSISTOR 2SD774-34		R757	1-249-405-11	CARBON 100	5% 1/4W				
Q5020	8-729-208-72	TRANSISTOR 2SC3298B-Y		R758	1-249-409-11	CARBON 220	5% 1/4W				
				R760	1-249-411-11	CARBON 330	5% 1/4W				
				R761	1-249-429-11	CARBON 10K	5% 1/4W				
<RESISTOR>											
R5011	1-249-429-11	CARBON 10K	5% 1/4W	R762	1-247-895-00	CARBON 470K	5% 1/4W				
R5012	1-249-421-11	CARBON 2.2K	5% 1/4W	R763	1-249-429-11	CARBON 10K	5% 1/4W				
R5013	1-249-435-11	CARBON 33K	5% 1/4W	R764	1-249-455-11	CARBON 4.7	5% 1/4W F				
R5014	1-249-429-11	CARBON 10K	5% 1/4W	R765	1-249-455-11	CARBON 4.7	5% 1/4W F				
R5015	1-249-421-11	CARBON 2.2K	5% 1/4W	R766	1-247-753-11	CARBON 1.2K	5% 1/2W				
R5016	1-249-421-11	CARBON 2.2K	5% 1/4W	R767	1-247-751-11	CARBON 820	5% 1/2W				
R5017	1-249-417-11	CARBON 1K	5% 1/4W	R768	1-215-887-00	METAL OXIDE 150	5% 2W F				
R5018	1-249-429-11	CARBON 10K	5% 1/4W	R769	1-212-889-00	FUSIBLE 220	5% 1/4W F				
R5019	1-249-441-11	CARBON 100K	5% 1/4W	R770	1-212-936-00	FUSIBLE 1.2	5% 1/2W F				
R5020	1-249-429-11	CARBON 10K	5% 1/4W	<CONNECTOR>							
R5061	1-216-476-11	METAL OXIDE 180	5% 3W F	VM73	*1-568-878-81	PIN, CONNECTOR 3P					
R5067	1-215-908-00	METAL OXIDE 33	5% 3W F	VM88	*1-568-879-61	PIN, CONNECTOR 4P					
R5068	1-249-417-11	CARBON 1K	5% 1/4W	*****							
R5093	1-249-429-11	CARBON 10K	5% 1/4W	*A-1345-858-A D BOARD, COMPLETE							
R5094	1-215-911-11	METAL OXIDE 100	5% 3W F	*****							
R5095	1-249-425-11	CARBON 4.7K	5% 1/4W	*4-341-751-01 EYELET							
R5602	1-216-476-11	METAL OXIDE 180	5% 3W F	*4-341-752-01 EYELET							
				*4-368-683-01 SPRING (Q608)							
<TRANSFORMER>											
T5001	1-413-059-00	TRANSFORMER, FERRITE (DFT)		<CAPACITOR>							
*****											
*1-629-782-23 VM BOARD				C005	1-102-074-00	CERAMIC 0.001MF	10% 50V				
*****				C007	1-106-383-00	MYLAR 0.047MF	10% 100V				
<CAPACITOR>											
C751	1-101-361-00	CERAMIC 150PF	5% 50V	C008	1-101-880-00	CERAMIC 47PF	5% 50V				
C752	1-106-373-00	MYLAR 0.018MF	10% 250V	C009	1-101-884-00	CERAMIC 56PF	5% 50V				
C753	1-106-367-00	MYLAR 0.01MF	10% 400V	C010	1-124-122-11	ELECT 100MF	20% 50V				
C754	1-102-980-00	CERAMIC 270PF	5% 50V	C011	1-101-004-00	CERAMIC 0.01MF	50V				
C757	1-108-692-11	MYLAR 0.01MF	10% 200V	C012	1-124-122-11	ELECT 100MF	20% 50V				
C759	1-123-875-11	ELECT 10MF	20% 50V	C013	1-101-004-00	CERAMIC 0.01MF	50V				
C760	1-124-917-11	ELECT 33MF	20% 50V	C015	1-124-910-11	ELECT 47MF	20% 50V				
C761	1-101-006-00	CERAMIC 0.047MF	50V	C016	1-101-004-00	CERAMIC 0.01MF	50V				
C762	1-106-367-00	MYLAR 0.01MF	10% 400V	C017	1-123-875-11	ELECT 10MF	20% 50V				
				C018	1-102-980-00	CERAMIC 270PF	5% 50V				
<COIL>											
L751	1-408-413-00	INDUCTOR 22UH		C019	1-106-383-00	MYLAR 0.047MF	10% 100V				
<TRANSISTOR>											
				C020	1-102-973-00	CERAMIC 100PF	5% 50V				
				C021	1-102-973-00	CERAMIC 100PF	5% 50V				
				C022	1-124-910-11	ELECT 47MF	20% 50V				
				C023	1-124-499-11	ELECT 1MF	20% 50V				
				C024	1-124-499-11	ELECT 1MF	20% 50V				
				C025	1-102-125-00	CERAMIC 0.0047MF	10% 50V				
				C026	1-102-125-00	CERAMIC 0.0047MF	10% 50V				
				C027	1-106-220-00	MYLAR 0.1MF	10% 100V				
				C028	1-101-361-00	CERAMIC 150PF	5% 50V				

The components identified by shading and mark **A** are critical for safety.  
Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK						
C029	1-102-121-00	CERAMIC	0.0022MF	10%	50V	C614	1-102-030-00	CERAMIC	330PF	10%	500V		
C030	1-102-953-00	CERAMIC	18PF	5%	50V	C615	1-124-557-11	ELECT	1000MF	20%	25V		
C031	1-124-120-11	ELECT	220MF	20%	16V	C616	1-102-030-00	CERAMIC	330PF	10%	500V		
C032	1-102-978-00	CERAMIC	220PF	5%	50V	C618	1-124-637-11	ELECT	1000MF	20%	50V		
C251	1-124-927-11	ELECT	4.7MF	20%	50V	C619	1-124-556-11	ELECT	220MF	20%	16V		
C252	1-124-927-11	ELECT	4.7MF	20%	50V	C620	1-102-074-00	CERAMIC	0.001MF	10%	50V		
C253	1-124-122-11	ELECT	100MF	20%	50V	C621	1-124-347-00	ELECT	100MF	20%	160V		
C254	1-124-927-11	ELECT	4.7MF	20%	50V	C622	1-124-556-11	ELECT	220MF	20%	16V		
C255	1-124-927-11	ELECT	4.7MF	20%	50V	C623	1-124-910-11	ELECT	47MF	20%	50V		
C256	1-106-220-00	MYLAR	0.1MF	10%	100V	C624	1-124-122-11	ELECT	100MF	20%	50V		
C257	1-101-004-00	CERAMIC	0.01MF		50V	C625	1-124-360-00	ELECT	1000MF	20%	16V		
C258	1-106-220-00	MYLAR	0.1MF	10%	100V	C626	1-123-875-11	ELECT	10MF	20%	50V		
C260	1-106-220-00	MYLAR	0.1MF	10%	100V	C627	1-102-074-00	CERAMIC	0.001MF	10%	50V		
C265	1-102-074-00	CERAMIC	0.001MF	10%	50V	C631	1-124-927-11	ELECT	4.7MF	20%	50V		
C266	1-102-074-00	CERAMIC	0.001MF	10%	50V	C632	1-102-074-00	CERAMIC	0.001MF	10%	50V		
C501	1-124-927-11	ELECT	4.7MF	20%	50V	C633	1-124-927-11	ELECT	4.7MF	20%	50V		
C502	1-124-927-11	ELECT	4.7MF	20%	50V	C636	1-123-382-00	ELECT	3.3MF	20%	50V		
C503	1-106-371-00	MYLAR	0.015MF	10%	400V	C801	1-124-913-11	ELECT	470MF	20%	50V		
C504	1-101-361-00	CERAMIC	150PF	5%	50V	C802	1-102-030-00	CERAMIC	330PF	10%	500V		
C505	1-108-794-11	MYLAR	0.0015MF	5%	50V	C804	1-123-948-00	ELECT	22MF	20%	250V		
C506	1-106-375-12	MYLAR	0.022MF	10%	250V	C805	1-162-114-00	CERAMIC	0.0047MF		2KV		
C507	1-130-783-00	MYLAR	0.33MF	10%	100V	C806	1-106-220-00	MYLAR	0.1MF	10%	100V		
C508	1-106-375-12	MYLAR	0.022MF	10%	250V	C807	1-106-395-00	MYLAR	0.15MF	10%	200V		
C509	1-106-220-00	MYLAR	0.1MF	10%	100V	C810	1-124-494-00	ELECT	33MF		160V		
C510	1-161-959-00	CERAMIC	22PF	10%	500V	C811	1-136-541-11	FILM	1.5MF	5%	200V		
C511	1-108-798-11	MYLAR	0.0033MF	5%	50V	C812	1-124-634-11	ELECT	1MF	20%	250V		
C512	1-106-220-00	MYLAR	0.1MF	10%	100V	C813	1-102-212-00	CERAMIC	820PF	10%	500V		
C513	1-108-614-11	MYLAR	0.001MF	10%	100V	C814	A 1-161-731-11	CERAMIC	0.001MF	10%	2KV		
C514	1-106-228-00	MYLAR	0.22MF	10%	100V	C815	1-136-111-00	FILM	1MF	5%	200V		
C515	1-124-499-11	ELECT	1MF	20%	50V	C817	1-136-611-11	FILM	0.016MF	3%	1.4KV		
C516	1-108-614-11	MYLAR	0.001MF	10%	100V	C818	1-129-722-00	FILM	0.047MF	10%	630V		
C517	1-124-252-00	ELECT	0.33MF	20%	50V	C819	A 1-161-731-11	CERAMIC	0.001MF	10%	2KV		
C518	1-124-902-00	ELECT	0.47MF	20%	50V	C820	1-106-218-00	MYLAR	0.0082MF	10%	400V		
C519	1-136-173-00	FILM	0.47MF	5%	50V	C821	A 1-162-116-51	CERAMIC	680PF	10%	2KV		
C520	1-102-121-00	CERAMIC	0.0022MF	10%	50V	C822	1-102-114-00	CERAMIC	470PF	10%	50V		
C521	1-106-220-00	MYLAR	0.1MF	10%	100V	C823	1-106-359-00	MYLAR	0.0047MF	10%	400V		
C522	1-124-122-11	ELECT	100MF	20%	50V	C824	1-102-212-00	CERAMIC	820PF	10%	500V		
C523	1-108-614-11	MYLAR	0.001MF	10%	100V	C825	1-106-375-12	MYLAR	0.022MF	10%	250V		
C524	1-108-798-11	MYLAR	0.0033MF	5%	50V	C826	1-123-875-11	ELECT	10MF	20%	50V		
C525	1-102-973-00	CERAMIC	100PF	5%	50V	C827	1-106-375-12	MYLAR	0.022MF	10%	250V		
C526	1-102-947-00	CERAMIC	10PF	0.5PF	50V	<FILTER>							
C527	1-106-220-00	MYLAR	0.1MF	10%	100V	CF001	1-577-082-11	VIBRATOR, CERAMIC					
C531	1-124-190-00	ELECT	680MF	10%	25V	CF501	1-567-888-11	OSCILLATOR, CERAMIC					
C532	1-124-122-11	ELECT	100MF	20%	50V	<CONNECTOR>							
C533	1-106-216-00	MYLAR	0.068MF	10%	100V	CN801	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P					
C534	1-124-120-11	ELECT	220MF	20%	16V	D1	*1-564-505-11	PLUG, CONNECTOR 2P					
C536	1-131-365-00	TANTALUM	10MF	10%	16V	D2	*1-564-512-11	PLUG, CONNECTOR 9P					
C537	1-124-499-11	ELECT	1MF	20%	50V	D21	*1-564-346-00	CONNECTOR, BOARD TO BOARD 18P					
C538	1-108-614-11	MYLAR	0.001MF	10%	100V	D23	*1-568-879-71	PIN, CONNECTOR 4P					
C539	1-102-820-00	CERAMIC	330PF	5%	50V	D31	*1-564-346-00	CONNECTOR, BOARD TO BOARD 18P					
C591	1-123-875-11	ELECT	10MF	20%	50V	D41	*1-566-367-11	CONNECTOR, HINGE (RECEPTACLE)					
C592	1-124-477-11	ELECT	47MF	20%	16V	D45	*1-568-881-51	PIN, CONNECTOR 6P					
C593	1-102-820-00	CERAMIC	330PF	5%	50V	D51	*1-566-367-11	CONNECTOR, HINGE (RECEPTACLE)					
C601	1-162-599-12	CERAMIC	0.0047MF		250V	D64	*1-506-348-99	PIN, CONNECTOR 3P					
C602	1-162-599-12	CERAMIC	0.0047MF		250V	D83	*1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P					
C603	1-162-599-12	CERAMIC	0.0047MF		250V	D84	*1-564-038-00	CONNECTOR PLUG, BY (MINI) 6P					
C604	1-125-293-00	ELECT(BLOCK)	220MF		400V	D86	*1-508-766-00	PIN, CONNECTOR (5MM PITCH) 4P					
C605	1-124-122-11	ELECT	100MF	20%	50V	D88	*1-568-882-71	PIN, CONNECTOR 7P					
C606	1-106-220-00	MYLAR	0.1MF	10%	100V								
C607	1-130-019-00	FILM	0.0012MF	5%	50V								
C608	1-123-875-11	ELECT	10MF	20%	50V								
C611	1-124-122-11	ELECT	100MF	20%	50V								
C612	1-162-115-00	CERAMIC	330PF	10%	2KV								
C613	1-136-539-11	FILM	0.0022MF	3%	2KV								

D

The components identified by shading and mark **A** are critical for safety.  
Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK
<b>&lt;DIODE&gt;</b>			
D001	8-719-911-19	DIODE 1SS119	
D002	8-719-911-19	DIODE 1SS119	
D003	8-719-911-19	DIODE 1SS119	
D004	8-719-911-19	DIODE 1SS119	
D005	8-719-109-71	DIODE RD3.9ES-B1	
D007	8-719-109-89	DIODE RD5.6ES-B2	
D008	8-719-110-85	DIODE RD36ES-B4	
D009	8-719-109-89	DIODE RD5.6ES-B2	
D011	8-719-911-19	DIODE 1SS119	
D012	8-719-911-19	DIODE 1SS119	
D254	8-719-110-14	DIODE RD9.1ES-B3	
D255	8-719-000-12	DIODE MC931	
D256	8-719-000-12	DIODE MC931	
D501	8-719-911-19	DIODE 1SS119	
D504	8-719-911-55	DIODE U05G	
D506	8-719-000-12	DIODE MC931	
D508	8-719-911-19	DIODE 1SS119	
D509	8-719-911-19	DIODE 1SS119	
D511	8-719-911-55	DIODE U05G	
D512	8-719-911-55	DIODE U05G	
D513	8-719-109-81	DIODE RD4.7ES-B2	
D591	8-719-911-19	DIODE 1SS119	
D592	8-719-911-19	DIODE 1SS119	
D601	8-719-946-90	DIODE KBU4JL-6088	
D602	8-719-300-33	DIODE RU-3AM	
D603	8-719-911-55	DIODE U05G	
D604	8-719-911-55	DIODE U05G	
D605	8-719-911-55	DIODE U05G	
D606	8-719-300-33	DIODE RU-3AM	
D607	8-719-300-33	DIODE RU-3AM	
D608	8-719-901-58	DIODE RGP15J	
D609	8-719-901-58	DIODE RGP15J	
D610	8-719-300-59	DIODE CTU-12S	
D611	8-719-900-26	DIODE ERD29-08J	
D612	8-719-300-59	DIODE CTU-12S	
D613	8-719-901-58	DIODE RGP15J	
D614	8-719-901-58	DIODE RGP15J	
D615	8-719-109-90	DIODE RD5.6ES-B3	
D616	8-719-109-93	DIODE RD6.2ES-B2	
D618	8-719-109-89	DIODE RD5.6ES-B2	
D620	8-719-000-12	DIODE MC931	
D622	8-719-911-19	DIODE 1SS119	
D623	8-719-911-19	DIODE 1SS119	
D627	8-719-911-19	DIODE 1SS119	
D630	8-719-110-39	DIODE RD15ES-B1	
D632	8-719-110-16	DIODE RD10ES-B1	
D633	8-719-911-19	DIODE 1SS119	
D801	8-719-300-33	DIODE RU-3AM	
D802	8-719-300-33	DIODE RU-3AM	
D803	8-719-300-65	DIODE ES1F	
D804	8-719-911-55	DIODE U05G	
D805	8-719-911-55	DIODE U05G	
D806	8-719-945-80	DIODE ERC06-15S	
D807	8-719-945-80	DIODE ERC06-15S	
D808	8-719-900-26	DIODE ERD29-08J	
D809	8-719-901-58	DIODE RGP15J	
<b>&lt;IC&gt;</b>			
IC001	8-759-632-91	IC M50436-710SP	
IC002	8-759-986-89	IC MB88503H-1106G	
IC003	8-759-603-41	IC M58655P	

REF. NO.	PART NO.	DESCRIPTION	REMARK
<b>&lt;COIL&gt;</b>			
IC251	8-759-803-31	IC LA4280	
	*4-368-683-01	SPRING; IC251	
IC501	8-759-970-73	IC TEA2028B	
IC502	8-759-944-57	IC TDA8170	
	*4-381-724-01	HOLDER, IC; IC502	
IC601	8-759-946-23	IC TEA2164	
	*4-386-642-01	HEAT SINK, IC; IC601	
IC608	8-759-280-12	IC TA78012AP	
<b>&lt;IC LINK&gt;</b>			
PS601A	1-532-984-91	LINK, IC 2A	
PS602A	1-532-675-91	LINK, IC 1.5A	
<b>&lt;TRANSISTOR&gt;</b>			
Q002	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q003	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q004	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q005	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q252	8-729-900-36	TRANSISTOR DTC124ES	
Q501	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q502	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q505	8-729-140-96	TRANSISTOR 2SD774-34	
Q506	8-729-140-97	TRANSISTOR 2SB734-34	
Q507	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q591	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q598	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q602	8-729-209-02	TRANSISTOR 2SD1548-LB	
	*4-368-683-01	SPRING; Q602	
Q603	8-729-921-54	TRANSISTOR 2SB1357-EF	
Q604	8-729-320-62	TRANSISTOR 2SD789-34	
Q605	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q606	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q607	8-729-109-53	TRANSISTOR 2SD795A	
Q609	8-729-320-62	TRANSISTOR 2SD789-34	
Q801	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q804	8-729-304-50	TRANSISTOR 2SD1941-06	
	*4-368-683-01	SPRING; Q804	
Q805	8-729-119-80	TRANSISTOR 2SC2688-LK	
<b>&lt;RESISTOR&gt;</b>			

D

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R001	1-249-417-11	CARBON	1K 5% 1/4W	R253	1-249-413-11	CARBON	470 5% 1/4W
R002	1-249-417-11	CARBON	1K 5% 1/4W	R255	1-249-385-11	CARBON	2.2 5% 1/4W F
R003	1-249-417-11	CARBON	1K 5% 1/4W	R256	1-249-385-11	CARBON	2.2 5% 1/4W F
R004	1-249-417-11	CARBON	1K 5% 1/4W	R260	1-249-393-11	CARBON	10 5% 1/4W
R008	1-249-417-11	CARBON	1K 5% 1/4W	R261	1-249-429-11	CARBON	10K 5% 1/4W
R009	1-249-417-11	CARBON	1K 5% 1/4W	R262	1-249-413-11	CARBON	470 5% 1/4W
R010	1-249-413-11	CARBON	470 5% 1/4W	R263	1-249-421-11	CARBON	2.2K 5% 1/4W
R011	1-249-417-11	CARBON	1K 5% 1/4W	R264	1-249-421-11	CARBON	2.2K 5% 1/4W
R012	1-249-417-11	CARBON	1K 5% 1/4W	R265	1-249-425-11	CARBON	4.7K 5% 1/4W
R013	1-249-417-11	CARBON	1K 5% 1/4W	R266	1-249-425-11	CARBON	4.7K 5% 1/4W
R017	1-249-417-11	CARBON	1K 5% 1/4W	R500	1-247-897-11	CARBON	560K 5% 1/4W
R023	1-249-429-11	CARBON	10K 5% 1/4W	R501	1-249-413-11	CARBON	470 5% 1/4W
R024	1-249-429-11	CARBON	10K 5% 1/4W	R502	1-249-409-11	CARBON	220 5% 1/4W
R031	1-249-429-11	CARBON	10K 5% 1/4W	R503	1-249-410-11	CARBON	270 5% 1/4W
R032	1-249-417-11	CARBON	1K 5% 1/4W	R504	1-215-427-00	METAL	1.8K 1% 1/6W
R033	1-249-413-11	CARBON	470 5% 1/4W	R505	1-249-431-11	CARBON	15K 5% 1/4W
R034	1-249-413-11	CARBON	470 5% 1/4W	R506	1-249-428-11	CARBON	8.2K 5% 1/4W
R035	1-249-431-11	CARBON	15K 5% 1/4W	R509	1-249-424-11	CARBON	3.9K 5% 1/4W
R036	1-249-421-11	CARBON	2.2K 5% 1/4W	R510	1-249-426-11	CARBON	5.6K 5% 1/4W
R037	1-249-417-11	CARBON	1K 5% 1/4W	R511	1-249-429-11	CARBON	10K 5% 1/4W
R038	1-249-417-11	CARBON	1K 5% 1/4W	R513	1-249-429-11	CARBON	10K 5% 1/4W
R044	1-249-429-11	CARBON	10K 5% 1/4W	R515	1-249-423-11	CARBON	3.3K 5% 1/4W
R045	1-249-417-11	CARBON	1K 5% 1/4W	R516	1-249-408-11	CARBON	180 5% 1/4W
R046	1-249-429-11	CARBON	10K 5% 1/4W	R517	1-249-429-11	CARBON	10K 5% 1/4W
R048	1-249-417-11	CARBON	1K 5% 1/4W	R518	1-249-437-11	CARBON	47K 5% 1/4W
R049	1-249-417-11	CARBON	1K 5% 1/4W	R519	1-249-433-11	CARBON	22K 5% 1/4W
R050	1-249-433-11	CARBON	22K 5% 1/4W	R520	1-249-411-11	CARBON	330 5% 1/4W
R051	1-249-429-11	CARBON	10K 5% 1/4W	R521	1-249-405-11	CARBON	100 5% 1/4W
R052	1-249-439-11	CARBON	68K 5% 1/4W	R522	1-215-469-00	METAL	100K 1% 1/6W
R053	1-249-437-11	CARBON	47K 5% 1/4W	R523	1-249-417-11	CARBON	1K 5% 1/4W
R056	1-249-440-11	CARBON	82K 5% 1/4W	R524	1-249-421-11	CARBON	2.2K 5% 1/4W
R057	1-249-409-11	CARBON	220 5% 1/4W	R525	1-249-417-11	CARBON	1K 5% 1/4W
R058	1-249-409-11	CARBON	220 5% 1/4W	R526	1-249-409-11	CARBON	220 5% 1/4W F
R059	1-249-437-11	CARBON	47K 5% 1/4W	R527	1-249-429-11	CARBON	10K 5% 1/4W
R060	1-249-436-11	CARBON	39K 5% 1/4W	R528	1-249-408-11	CARBON	180 5% 1/4W
R062	1-249-411-11	CARBON	330 5% 1/4W	R529	1-249-427-11	CARBON	6.8K 5% 1/4W
R063	1-249-431-11	CARBON	15K 5% 1/4W	R530	1-249-448-11	CARBON	1.2 5% 1/4W F
R064	1-249-429-11	CARBON	10K 5% 1/4W	R531	1-247-883-00	CARBON	150K 5% 1/4W
R068	1-249-421-11	CARBON	2.2K 5% 1/4W	R532	1-249-417-11	CARBON	1K 5% 1/4W
R069	1-249-423-11	CARBON	3.3K 5% 1/4W	R534	1-247-901-11	CARBON	820K 5% 1/4W
R070	1-249-417-11	CARBON	1K 5% 1/4W	R536	1-249-749-00	CARBON	2.2M 5% 1/4W
R071	1-249-417-11	CARBON	1K 5% 1/4W	R537	1-249-434-11	CARBON	27K 5% 1/4W
R072	1-249-417-11	CARBON	1K 5% 1/4W	R538	1-247-883-00	CARBON	150K 5% 1/4W
R073	1-249-417-11	CARBON	1K 5% 1/4W	R539	1-247-883-00	CARBON	150K 5% 1/4W
R075	1-249-417-11	CARBON	1K 5% 1/4W	R540	1-249-399-11	CARBON	33 5% 1/4W
R077	1-249-413-11	CARBON	470 5% 1/4W	R541	1-249-438-11	CARBON	56K 5% 1/4W
R078	1-249-423-11	CARBON	3.3K 5% 1/4W	R542	1-249-425-11	CARBON	4.7K 5% 1/4W
R079	1-249-435-11	CARBON	33K 5% 1/4W	R543	1-249-451-11	CARBON	2.2 5% 1/4W
R080	1-249-429-11	CARBON	10K 5% 1/4W	R544	1-247-745-11	CARBON	330 5% 1/2W
R081	1-249-441-11	CARBON	100K 5% 1/4W	R545	1-249-433-11	CARBON	22K 5% 1/4W
R083	1-249-429-11	CARBON	10K 5% 1/4W	R546	1-249-436-11	CARBON	39K 5% 1/4W
R084	1-249-413-11	CARBON	470 5% 1/4W	R547	1-249-423-11	CARBON	3.3K 5% 1/4W
R085	1-249-429-11	CARBON	10K 5% 1/4W	R548	1-216-349-00	METAL OXIDE	1 5% 1W F
R086	1-249-417-11	CARBON	1K 5% 1/4W	R549	1-216-454-11	METAL OXIDE	390 5% 2W F
R087	1-249-417-11	CARBON	1K 5% 1/4W	R550	1-249-440-11	CARBON	82K 5% 1/4W
R088	1-249-425-11	CARBON	4.7K 5% 1/4W	R551	1-249-749-00	CARBON	2.2M 5% 1/4W
R090	1-249-413-11	CARBON	470 5% 1/4W	R553	1-216-869-11	METAL OXIDE	1K 5% 1W
R091	1-249-409-11	CARBON	220 5% 1/4W	R554	1-249-411-11	CARBON	330 5% 1/4W
R093	1-249-429-11	CARBON	10K 5% 1/4W	R555	1-249-749-00	CARBON	2.2M 5% 1/4W
R094	1-249-429-11	CARBON	10K 5% 1/4W	R556	1-249-405-11	CARBON	100 5% 1/4W
R097	1-249-429-11	CARBON	10K 5% 1/4W	R557	1-249-425-11	CARBON	4.7K 5% 1/4W
R098	1-249-429-11	CARBON	10K 5% 1/4W	R558	1-247-895-00	CARBON	470K 5% 1/4W
R251	1-249-417-11	CARBON	1K 5% 1/4W	R559	1-249-427-11	CARBON	6.8K 5% 1/4W
R252	1-249-413-11	CARBON	470 5% 1/4W				

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The components identified by shading and mark  $\Delta$  are critical for safety.  
Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK		
R560	1-249-411-11	CARBON	330 5% 1/4W	R829	1-249-411-11	CARBON	330 5% 1/4W		
R591	1-249-427-11	CARBON	6.8K 5% 1/4W	R830	1-249-429-11	CARBON	10K 5% 1/4W		
R592	1-249-429-11	CARBON	10K 5% 1/4W	R831	1-249-451-11	CARBON	2.2 5% 1/4W		
R593	1-249-429-11	CARBON	10K 5% 1/4W	R832	1-216-379-11	METAL OXIDE	6.8 5% 2W F		
R594	1-249-424-11	CARBON	3.9K 5% 1/4W	R1001	1-249-421-11	CARBON	2.2K 5% 1/4W		
R595	1-249-417-11	CARBON	1K 5% 1/4W	R1002	1-247-719-11	CARBON	3.3K 5% 1/4W		
R596	1-249-425-11	CARBON	4.7K 5% 1/4W	R1006	1-249-408-11	CARBON	180 5% 1/4W		
R597	1-249-425-11	CARBON	4.7K 5% 1/4W	R1007	1-249-408-11	CARBON	180 5% 1/4W		
R602	1-216-465-11	METAL OXIDE	27K 5% 2W F	R1011	1-249-413-11	CARBON	470 5% 1/4W		
R603	1-216-359-00	METAL OXIDE	6.8 5% 1W F	R1012	1-249-405-11	CARBON	100 5% 1/4W		
R604	1-249-414-11	CARBON	560 5% 1/4W	R1100	1-249-425-11	CARBON	4.7K 5% 1/4W		
R605	1-215-469-00	METAL	100K 1% 1/6W	R5501	1-249-429-11	CARBON	10K 5% 1/4W		
R606	1-215-442-00	METAL	7.5K 1% 1/6W	R5502	1-249-417-11	CARBON	1K 5% 1/4W		
R607	1-249-434-11	CARBON	27K 5% 1/4W	R5503	1-249-389-11	CARBON	4.7 5% 1/4W		
R608	1-216-490-11	METAL OXIDE	39K 5% 3W F	R5504	1-247-903-00	CARBON	1M 5% 1/4W		
R609	1-249-401-11	CARBON	47 5% 1/4W	R5505	1-249-393-11	CARBON	10 5% 1/4W		
R610	1-249-385-11	CARBON	2.2 5% 1/4W F	<VARIABLE RESISTOR>					
R611	1-249-385-11	CARBON	2.2 5% 1/4W F	RV501	1-238-013-11	RES, ADJ, CARBON	2.2K		
R612	1-207-905-00	WIREWOUND	0.27 10% 2W F	RV502	1-238-016-11	RES, ADJ, CARBON	10K		
R613	1-249-401-11	CARBON	47 5% 1/4W	<SPARK GAP>					
R614	1-205-758-11	WIREWOUND	100 10% 10W F	SG801	1-519-422-11	GAP, SPARK			
R616	1-249-417-11	CARBON	1K 5% 1/4W	<TRANSFORMER>					
R617	1-249-411-11	CARBON	330 5% 1/4W	T601 $\Delta$ 1-448-961-21 S.R.T					
R618	1-216-431-11	METAL OXIDE	560 5% 1W	T602	1-424-011-11	TRANSFORMER, PULSE			
R619	1-249-429-11	CARBON	10K 5% 1/4W	T801	1-437-090-00	HDT			
R620	1-249-433-11	CARBON	22K 5% 1/4W	T802 $\Delta$ 1-439-418-41 TRANSFORMER ASSY, FLYBACK (UX-1616)					
R621	1-249-431-11	CARBON	15K 5% 1/4W	*****					
R622	1-249-429-11	CARBON	10K 5% 1/4W	*****					
R623	1-249-377-11	CARBON	0.47 5% 1/4W F	*****					
R624	1-249-411-11	CARBON	330 5% 1/4W	*****					
R625	1-215-865-11	METAL OXIDE	220 5% 1W	*****					
R626	1-249-411-11	CARBON	330 5% 1/4W	*****					
R628	1-249-393-11	CARBON	10 5% 1/4W	*****					
R629	1-249-411-11	CARBON	330 5% 1/4W	*****					
R630	1-249-437-11	CARBON	47K 5% 1/4W	*****					
R633	1-249-405-11	CARBON	100 5% 1/4W	*****					
R636	1-249-429-11	CARBON	10K 5% 1/4W	*****					
R642	1-216-343-00	METAL OXIDE	0.33 5% 1W F	*****					
R643	1-217-192-21	WIREWOUND	0.22 10% 2W F	*****					
R647	1-216-485-11	METAL OXIDE	5.6K 5% 3W F	*****					
R648	1-216-485-11	METAL OXIDE	5.6K 5% 3W F	*****					
R649	1-249-385-11	CARBON	2.2 5% 1/4W	*****					
R650	1-249-417-11	CARBON	1K 5% 1/4W	*****					
R651	1-249-405-11	CARBON	100 5% 1/4W	*****					
R652	1-247-903-00	CARBON	1M 5% 1/4W	*****					
R653	1-205-758-11	WIREWOUND	100 10% 10W F	*****					
R802	1-249-443-11	CARBON	0.47 5% 1/4W F	*****					
R805	1-249-448-11	CARBON	1.2 5% 1/4W F	*****					
R806	1-249-439-11	CARBON	68K 5% 1/4W	*****					
R807	1-216-869-11	METAL OXIDE	1K 5% 1W	*****					
R809	1-202-821-11	SOLID	1.8K 10% 1/2W	*****					
R810	1-202-818-00	SOLID	1K 10% 1/2W	*****					
R811	1-215-882-00	METAL OXIDE	22 5% 2W F	*****					
R812	1-249-494-11	CARBON	68K 5% 1/2W	*****					
R815	1-215-884-11	METAL OXIDE	47 5% 2W F	*****					
R816	1-215-868-00	METAL OXIDE	680 5% 1W	C202	1-124-902-00	ELECT	0.47MF	20%	50V
R817	1-249-417-11	CARBON	1K 5% 1/4W	C204	1-124-902-00	ELECT	0.47MF	20%	50V
R820	1-249-403-11	CARBON	68 5% 1/4W	C213	1-126-233-11	ELECT	22MF	20%	50V
R821	1-247-725-11	CARBON	10K 5% 1/4W F	C214	1-106-363-00	MYLAR	0.0068MF	10%	400V
R822	1-217-778-11	FUSIBLE	1K 5% 1W F	C217	1-106-363-00	MYLAR	0.0068MF	10%	400V
R825	1-216-342-11	METAL OXIDE	0.27 5% 1W F	C218	1-106-375-12	MYLAR	0.022MF	10%	250V
R826	1-249-441-11	CARBON	100K 5% 1/4W	C219	1-106-375-12	MYLAR	0.022MF	10%	250V
R827	1-249-429-11	CARBON	10K 5% 1/4W	C220	1-108-620-11	MYLAR	0.0033MF	10%	100V
R828	1-249-423-11	CARBON	3.3K 5% 1/4W	C221	1-108-620-11	MYLAR	0.0033MF	10%	100V

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
C222	1-106-385-00	MYLAR	0.056MF	10%	100V		
C223	1-106-385-00	MYLAR	0.056MF	10%	100V		
C224	1-106-367-00	MYLAR	0.01MF	10%	400V		
C225	1-136-173-00	FILM	0.47MF	5%	50V		
C226	1-136-173-00	FILM	0.47MF	5%	50V		
C227	1-106-375-12	MYLAR	0.022MF	10%	250V		
C228	1-106-379-12	MYLAR	0.033MF	10%	250V		
C229	1-106-371-00	MYLAR	0.015MF	10%	400V		
C230	1-106-371-00	MYLAR	0.015MF	10%	400V		
C231	1-124-902-00	ELECT	0.47MF	20%	50V		
C232	1-123-875-11	ELECT	10MF	20%	50V		
C233	1-102-114-00	CERAMIC	470PF	10%	50V		
C234	1-102-114-00	CERAMIC	470PF	10%	50V		
C235	1-102-114-00	CERAMIC	470PF	10%	50V		
C236	1-102-114-00	CERAMIC	470PF	10%	50V		
C237	1-124-902-00	ELECT	0.47MF	20%	50V		
C238	1-102-978-00	CERAMIC	220PF	5%	50V		
C239	1-126-103-11	ELECT	470MF	20%	16V		
***** *A-1388-098-A J1 BOARD, COMPLETE*****							
<DIODE>							
D205	8-719-110-04	DIODE RD7.5ES-B3					
D206	8-719-110-04	DIODE RD7.5ES-B3					
<CAPACITOR>							
IC201	8-759-013-17	IC TDA6200					
<CONNECTOR>							
K21	*1-562-370-21	CONNECTOR, BOARD TO BOARD 18P					
<RESISTOR>							
R204	1-249-435-11	CARBON	33K	5%	1/4W		
R205	1-249-435-11	CARBON	33K	5%	1/4W		
R206	1-249-423-11	CARBON	3.3K	5%	1/4W		
R207	1-249-423-11	CARBON	3.3K	5%	1/4W		
R208	1-249-431-11	CARBON	15K	5%	1/4W		
R209	1-249-433-11	CARBON	22K	5%	1/4W		
R210	1-249-431-11	CARBON	15K	5%	1/4W		
R211	1-249-441-11	CARBON	100K	5%	1/4W		
R212	1-249-433-11	CARBON	22K	5%	1/4W		
R213	1-249-431-11	CARBON	15K	5%	1/4W		
R214	1-249-417-11	CARBON	1K	5%	1/4W		
R215	1-249-433-11	CARBON	22K	5%	1/4W		
R216	1-249-433-11	CARBON	22K	5%	1/4W		
R217	1-249-431-11	CARBON	15K	5%	1/4W		
R218	1-249-417-11	CARBON	1K	5%	1/4W		
R219	1-249-429-11	CARBON	10K	5%	1/4W		
R225	1-249-417-11	CARBON	1K	5%	1/4W		
R226	1-249-417-11	CARBON	1K	5%	1/4W		
R227	1-249-417-11	CARBON	1K	5%	1/4W		
R228	1-249-417-11	CARBON	1K	5%	1/4W		
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*1-630-634-23 J3 BOARD *****							
<CAPACITOR>							
C1431	1-126-105-11	ELECT	1000MF	20%	35V		
C1432	1-126-105-11	ELECT	1000MF	20%	35V		
C1441	1-123-875-11	ELECT	10MF	20%	50V		
C1442	1-124-927-11	ELECT	4.7MF	20%	50V		
C1443	1-124-927-11	ELECT	4.7MF	20%	50V		
C1444	1-124-477-11	ELECT	4.7MF	20%	16V		
C1445	1-124-477-11	ELECT	4.7MF	20%	16V		
C1447	1-123-875-11	ELECT	10MF	20%	50V		
C1448	1-124-477-11	ELECT	4.7MF	20%	16V		
C1449	1-124-477-11	ELECT	4.7MF	20%	16V		
C1450	1-124-589-11	ELECT	4.7MF	20%	16V		
C1451	1-123-875-11	ELECT	10MF	20%	50V		
C1452	1-163-005-11	CERAMIC CHIP	470PF	10%	50V		

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK	
C1453	1-123-875-11	ELECT	10MF	20%	50V	D1505	8-719-800-76	DIODE 1SS226
C1454	1-126-101-11	ELECT	100MF	20%	16V	D1506	8-719-420-60	DIODE MA3360
C1455	1-124-902-00	ELECT	0.47MF	20%	50V	D1507	8-719-400-18	DIODE MA152WK
C1456	1-164-232-11	CERAMIC CHIP	0.01MF		50V	D1509	8-719-400-18	DIODE MA152WK
C1457	1-124-589-11	ELECT	47MF	20%	16V	D1552	8-719-300-33	DIODE RU-3AM
C1459	1-124-589-11	ELECT	47MF	20%	16V			
C1460	1-126-103-11	ELECT	470MF	20%	16V			
C1461	1-164-232-11	CERAMIC CHIP	0.01MF		50V			<IC>
C1469	1-163-005-11	CERAMIC CHIP	470PF	10%	50V	IC1401	8-752-032-27	IC CXA1114P
C1479	1-124-589-11	ELECT	47MF	20%	16V	IC1402	8-759-946-32	IC TEA2014A
C1480	1-106-367-00	MYLAR	0.01MF	10%	200V	IC1403	8-752-006-12	IC CX20061
C1481	1-106-367-00	MYLAR	0.01MF	10%	200V	IC1404	8-752-006-12	IC CX20061
C1501	1-123-875-11	ELECT	10MF	20%	50V	IC1405	8-752-006-12	IC CX20061
C1502	1-123-875-11	ELECT	10MF	20%	50V			
C1503	1-108-614-11	MYLAR	0.001MF	10%	100V	IC1501	8-759-942-16	IC TEA2031A
C1504	1-124-910-11	ELECT	47MF	20%	50V			<CONNECTOR>
C1505	1-106-216-00	MYLAR	0.068MF	10%	100V	J41	*1-566-641-11	CONNECTOR, HINGE (TAB) 18P
C1507	1-108-620-11	MYLAR	0.0033MF	10%	100V	J45	*1-564-520-11	PLUG, CONNECTOR 5P
C1508	1-123-875-11	ELECT	10MF	20%	50V	J51	*1-566-641-11	CONNECTOR, HINGE (TAB) 18P
C1509	1-124-499-11	ELECT	1MF	20%	50V	J132	*1-564-519-11	PLUG, CONNECTOR 4P
C1511	1-123-875-11	ELECT	10MF	20%	50V	J133	*1-564-517-11	PLUG, CONNECTOR 2P
C1512	1-106-363-00	MYLAR	0.0068MF	10%	400V	J142	*1-564-519-11	PLUG, CONNECTOR 4P
C1513	1-163-169-00	CERAMIC CHIP	33PF	5%	50V			
C1551	1-163-181-00	CERAMIC CHIP	100PF	5%	50V			
C1552	1-124-122-11	ELECT	100MF	20%	50V			
C1553	1-163-007-11	CERAMIC CHIP	680PF	10%	50V			<JACK>
C1561	1-123-875-11	ELECT	10MF	20%	50V	J1401	1-536-996-11	TERMINAL BOARD, INPUT/OUTPUT
C1562	1-123-875-11	ELECT	10MF	20%	50V	J1402	1-561-534-41	SOCKET 21P
C1563	1-123-875-11	ELECT	10MF	20%	50V	J1403	1-563-760-11	JACK, MINIATURE (DIA. 3.5)
C1564	1-123-875-11	ELECT	10MF	20%	50V	J1404	1-563-547-11	JACK BLOCK, PIN (BNC) 3P
						J1405	1-535-741-11	TERMINAL, S
						J1406	1-565-838-11	PIN JACK BLOCK 2P
						J1407	1-561-534-41	SOCKET 21P
								<COIL>
D1401	8-719-106-62	DIODE RD11M-B2				L1401	1-412-043-11	INDUCTOR, WIDE BAND
D1403	8-719-106-23	DIODE RD7.5M-B2				L1402	1-412-043-11	INDUCTOR, WIDE BAND
D1404	8-719-106-23	DIODE RD7.5M-B2				L1403	1-408-409-00	INDUCTOR 10UH
D1405	8-719-106-23	DIODE RD7.5M-B2				L1405	1-408-409-00	INDUCTOR 10UH
D1406	8-719-106-23	DIODE RD7.5M-B2				L1406	1-408-409-00	INDUCTOR 10UH
D1407	8-719-106-62	DIODE RD11M-B2						
D1408	8-719-106-44	DIODE RD9.1M-B2						
D1409	8-719-106-44	DIODE RD9.1M-B2						
D1410	8-719-106-44	DIODE RD9.1M-B2						
D1415	8-719-106-23	DIODE RD7.5M-B2						
D1418	8-719-106-23	DIODE RD7.5M-B2						<TRANSISTOR>
D1419	8-719-106-62	DIODE RD11M-B2				Q1401	8-729-216-22	TRANSISTOR 2SA1162
D1420	8-719-106-44	DIODE RD9.1M-B2				Q1402	8-729-216-22	TRANSISTOR 2SA1162
D1421	8-719-106-23	DIODE RD7.5M-B2				Q1403	8-729-271-22	TRANSISTOR 2SC2712-G
D1422	8-719-106-44	DIODE RD9.1M-B2				Q1404	8-729-271-22	TRANSISTOR 2SC2712-G
D1423	8-719-106-23	DIODE RD7.5M-B2				Q1405	8-729-271-22	TRANSISTOR 2SC2712-G
D1424	8-719-106-23	DIODE RD7.5M-B2						
D1425	8-719-106-23	DIODE RD7.5M-B2				Q1409	8-729-271-22	TRANSISTOR 2SC2712-G
D1426	8-719-106-23	DIODE RD7.5M-B2				Q1410	8-729-271-22	TRANSISTOR 2SC2712-G
D1427	8-719-106-44	DIODE RD9.1M-B2				Q1411	8-729-271-22	TRANSISTOR 2SC2712-G
D1428	8-719-106-44	DIODE RD9.1M-B2				Q1412	8-729-271-22	TRANSISTOR 2SC2712-G
D1429	8-719-106-23	DIODE RD7.5M-B2				Q1551	8-729-271-22	TRANSISTOR 2SC2712-G
D1430	8-719-106-62	DIODE RD11M-B2				Q1552	8-729-140-96	TRANSISTOR 2SD774-34
D1431	8-719-106-62	DIODE RD11M-B2						
D1432	8-719-400-43	DIODE MA3051M						
D1435	8-719-106-23	DIODE RD7.5M-B2						<RESISTOR>
D1436	8-719-106-23	DIODE RD7.5M-B2				R1401	1-216-172-00	METAL GLAZE 82 5% 1/8W
D1437	8-719-106-23	DIODE RD7.5M-B2				R1402	1-216-170-00	METAL GLAZE 68 5% 1/8W
D1501	8-719-400-18	DIODE MA152WK				R1403	1-216-089-00	METAL GLAZE 47K 5% 1/10W
D1502	8-719-400-18	DIODE MA152WK				R1404	1-216-041-00	METAL GLAZE 470 5% 1/10W
D1504	8-719-400-18	DIODE MA152WK				R1405	1-216-073-00	METAL GLAZE 10K 5% 1/10W

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R1407	1-216-113-00	METAL GLAZE	470K 5% 1/10W	R1495	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R1408	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R1496	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R1409	1-216-041-00	METAL GLAZE	470 5% 1/10W	R1497	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R1410	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R1501	1-216-230-00	METAL GLAZE	22K 5% 1/8W
R1411	1-216-041-00	METAL GLAZE	470 5% 1/10W	R1502	1-216-232-00	METAL GLAZE	27K 5% 1/8W
R1412	1-216-089-00	METAL GLAZE	47K 5% 1/10W	R1503	1-216-262-00	METAL GLAZE	470K 5% 1/8W
R1413	1-216-113-00	METAL GLAZE	470K 5% 1/10W	R1504	1-216-234-00	METAL GLAZE	33K 5% 1/8W
R1414	1-216-089-00	METAL GLAZE	47K 5% 1/10W	R1505	1-216-230-00	METAL GLAZE	22K 5% 1/8W
R1415	1-216-047-00	METAL GLAZE	820 5% 1/10W	R1506	1-216-262-00	METAL GLAZE	470K 5% 1/8W
R1416	1-216-047-00	METAL GLAZE	820 5% 1/10W	R1509	1-216-254-00	METAL GLAZE	220K 5% 1/8W
R1417	1-216-172-00	METAL GLAZE	82 5% 1/8W	R1510	1-216-216-00	METAL GLAZE	5.6K 5% 1/8W
R1418	1-247-738-11	CARBON	82 5% 1/2W F	R1511	1-216-198-00	METAL GLAZE	1K 5% 1/8W
R1419	1-216-033-00	METAL GLAZE	220 5% 1/10W	R1512	1-216-222-00	METAL GLAZE	10K 5% 1/8W
R1420	1-216-033-00	METAL GLAZE	220 5% 1/10W	R1513	1-216-240-00	METAL GLAZE	56K 5% 1/8W
R1422	1-216-033-00	METAL GLAZE	220 5% 1/10W	R1514	1-216-198-00	METAL GLAZE	1K 5% 1/8W
R1423	1-216-083-00	METAL GLAZE	27K 5% 1/10W	R1516	1-216-228-00	METAL GLAZE	18K 5% 1/8W
R1424	1-216-083-00	METAL GLAZE	27K 5% 1/10W	R1517	1-216-182-00	METAL GLAZE	220 5% 1/8W
R1425	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R1518	1-216-222-00	METAL GLAZE	10K 5% 1/8W
R1426	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R1519	1-216-250-00	METAL GLAZE	150K 5% 1/8W
R1427	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R1520	1-216-262-00	METAL GLAZE	470K 5% 1/8W
R1428	1-216-113-00	METAL GLAZE	470K 5% 1/10W	R1521	1-216-214-00	METAL GLAZE	4.7K 5% 1/8W
R1429	1-216-113-00	METAL GLAZE	470K 5% 1/10W	R1522	1-216-296-00	METAL GLAZE	0 5% 1/8W
R1433	1-216-043-00	METAL GLAZE	560 5% 1/10W	R1552	1-216-230-00	METAL GLAZE	22K 5% 1/8W
R1434	1-216-172-00	METAL GLAZE	82 5% 1/8W	R1553	1-216-434-11	METAL OXIDE	1.8K 5% 1W F
R1437	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R1554	1-216-186-00	METAL GLAZE	330 5% 1/8W
R1440	1-216-033-00	METAL GLAZE	220 5% 1/10W	R1556	1-216-216-00	METAL GLAZE	5.6K 5% 1/8W
R1441	1-216-083-00	METAL GLAZE	27K 5% 1/10W	R1558	1-216-296-00	METAL GLAZE	0 5% 1/8W
R1442	1-216-083-00	METAL GLAZE	27K 5% 1/10W	R1559	1-216-246-00	METAL GLAZE	100K 5% 1/8W
R1443	1-216-033-00	METAL GLAZE	220 5% 1/10W	R1560	1-216-278-00	METAL GLAZE	2.2M 5% 1/8W
R1444	1-216-033-00	METAL GLAZE	220 5% 1/10W	R1561	1-216-103-00	METAL GLAZE	180K 5% 1/10W
R1445	1-216-095-00	METAL GLAZE	82K 5% 1/10W	R1562	1-216-097-00	METAL GLAZE	100K 5% 1/10W
R1447	1-216-033-00	METAL GLAZE	220 5% 1/10W	R1563	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R1448	1-216-033-00	METAL GLAZE	220 5% 1/10W	R1564	1-216-103-00	METAL GLAZE	180K 5% 1/10W
R1452	1-216-039-00	METAL GLAZE	390 5% 1/10W	R1565	1-216-097-00	METAL GLAZE	100K 5% 1/10W
R1453	1-216-039-00	METAL GLAZE	390 5% 1/10W	R1566	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R1454	1-216-083-00	METAL GLAZE	27K 5% 1/10W	R1567	1-216-103-00	METAL GLAZE	180K 5% 1/10W
R1455	1-216-033-00	METAL GLAZE	220 5% 1/10W	R1568	1-216-097-00	METAL GLAZE	100K 5% 1/10W
R1460	1-249-393-11	CARBON	10 5% 1/4W F	R1569	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R1461	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R1570	1-216-103-00	METAL GLAZE	180K 5% 1/10W
R1462	1-216-083-00	METAL GLAZE	27K 5% 1/10W	R1571	1-216-097-00	METAL GLAZE	100K 5% 1/10W
R1463	1-216-103-00	METAL GLAZE	180K 5% 1/10W	R1572	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R1464	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R1801	1-216-295-00	METAL GLAZE	0 5% 1/10W
R1465	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R1802	1-216-295-00	METAL GLAZE	0 5% 1/10W
R1466	1-216-113-00	METAL GLAZE	470K 5% 1/10W	R1803	1-216-296-00	METAL GLAZE	0 5% 1/8W
R1467	1-216-089-00	METAL GLAZE	47K 5% 1/10W	R1804	1-216-295-00	METAL GLAZE	0 5% 1/10W
R1468	1-216-041-00	METAL GLAZE	470 5% 1/10W	R1805	1-216-295-00	METAL GLAZE	0 5% 1/10W
R1469	1-216-089-00	METAL GLAZE	47K 5% 1/10W	R1806	1-216-295-00	METAL GLAZE	0 5% 1/10W
R1470	1-216-103-00	METAL GLAZE	180K 5% 1/10W	R1807	1-216-295-00	METAL GLAZE	0 5% 1/10W
R1471	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R1808	1-216-296-00	METAL GLAZE	0 5% 1/8W
R1472	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R1809	1-216-296-00	METAL GLAZE	0 5% 1/8W
R1473	1-216-113-00	METAL GLAZE	470K 5% 1/10W	R1810	1-216-296-00	METAL GLAZE	0 5% 1/8W
R1474	1-216-170-00	METAL GLAZE	68 5% 1/8W	R1811	1-216-295-00	METAL GLAZE	0 5% 1/10W
R1475	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R1812	1-216-296-00	METAL GLAZE	0 5% 1/8W
R1476	1-216-033-00	METAL GLAZE	220 5% 1/10W	R1813	1-216-295-00	METAL GLAZE	0 5% 1/10W
R1477	1-216-089-00	METAL GLAZE	47K 5% 1/10W	R1814	1-216-295-00	METAL GLAZE	0 5% 1/10W
R1478	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R1815	1-216-295-00	METAL GLAZE	0 5% 1/10W
R1479	1-216-041-00	METAL GLAZE	470 5% 1/10W	R1816	1-216-295-00	METAL GLAZE	0 5% 1/10W
R1482	1-216-172-00	METAL GLAZE	82 5% 1/8W	R1817	1-216-296-00	METAL GLAZE	0 5% 1/8W
R1489	1-216-085-00	METAL GLAZE	33K 5% 1/10W	R1818	1-216-296-00	METAL GLAZE	0 5% 1/8W
R1490	1-216-083-00	METAL GLAZE	27K 5% 1/10W	R1819	1-216-295-00	METAL GLAZE	0 5% 1/10W
R1491	1-216-172-00	METAL GLAZE	82 5% 1/8W	R1820	1-216-295-00	METAL GLAZE	0 5% 1/10W
R1492	1-216-172-00	METAL GLAZE	82 5% 1/8W	R1821	1-216-295-00	METAL GLAZE	0 5% 1/10W
R1493	1-216-033-00	METAL GLAZE	220 5% 1/10W	R1822	1-216-295-00	METAL GLAZE	0 5% 1/10W
R1494	1-216-113-00	METAL GLAZE	470K 5% 1/10W				

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The components identified by shading and mark  $\Delta$  are critical for safety.  
Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK		
R1823	1-216-295-00	METAL GLAZE	0	5%	1/10W
R1824	1-216-296-00	METAL GLAZE	0	5%	1/8W
R1825	1-216-295-00	METAL GLAZE	0	5%	1/10W
R1826	1-216-295-00	METAL GLAZE	0	5%	1/10W
R1827	1-216-295-00	METAL GLAZE	0	5%	1/10W
R1828	1-216-295-00	METAL GLAZE	0	5%	1/10W
R1829	1-216-295-00	METAL GLAZE	0	5%	1/10W
R1830	1-216-295-00	METAL GLAZE	0	5%	1/10W
R1831	1-216-296-00	METAL GLAZE	0	5%	1/8W
R1832	1-216-295-00	METAL GLAZE	0	5%	1/10W

## &lt;VARIABLE RESISTOR&gt;

RV1501	1-238-023-11	RES, ADJ, CARBON 470K
RV1502	1-238-016-11	RES, ADJ, CARBON 10K
RV1503	1-238-017-11	RES, ADJ, CARBON 22K
RV1504	1-238-013-11	RES, ADJ, CARBON 2.2K
RV1505	1-238-023-11	RES, ADJ, CARBON 470K
RV1506	1-238-017-11	RES, ADJ, CARBON 22K
RV1507	1-238-009-11	RES, ADJ, CARBON 220
RV1508	1-238-016-11	RES, ADJ, CARBON 10K
RV1509	1-238-023-11	RES, ADJ, CARBON 470K

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MISCELLANEOUS  
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$\Delta$ . 1-426-398-11 COIL, DEMAGNETIZATION  
 $\Delta$ . 1-451-313-22 DEFLECTION YOKE (Y29FXA)  
 1-452-032-00 MAGNET, DISK: 10MM  $\phi$   
 1-452-094-00 MAGNET, ROTATABLE DISK: 15MM  $\phi$   
 $\Delta$ . 1-452-509-12 NECK ASSY, PICTURE TUBE (NA-308)

 $\Delta$ . 1-574-299-11 CORD, POWER (WITH CONNECTOR)V901  $\Delta$ . 8-733-823-05 PICTURE TUBE (A68JYK60X)

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ACCESSORIES AND PACKING MATERIALS  
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PART NO.	DESCRIPTION	REMARK
1-551-475-31	CABLE ASSY	
1-551-734-11	CORD, CONNECTION (RK-74A)	
1-568-736-11	CONNECTOR, CONVERSION	
3-750-583-51	MANUAL, INSTRUCTION	
*4-384-027-01	BAG, PROTECTION	
*4-390-743-01	CUSHION (UPPER) (ASSY)	
*4-390-744-01	CUSHION (LOWER) (ASSY)	
*4-390-749-01	INDIVIDUAL CARTON	



KX-2910

9-964-346-01

**Sony Corporation**  
TV Group

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